# NOVEL CYCLIC UREA DERIVATIVES, PREPARATION THEREOF AND PHARMACEUTICAL USE OF THE SAME AS KINASE INHIBITORS

The present invention relates to novel cyclic urea derivatives, to a process for preparing them, to their use as medicinal products, to pharmaceutical compositions containing them and to the pharmaceutical use of such derivatives for preventing and treating complaints that may be modulated by inhibiting the activity of protein kinases.

The present invention relates to novel cyclic urea derivatives that have inhibitory effects on protein kinases.

The products of the present invention may thus be used especially for preventing or treating complaints capable of being modulated by inhibiting the activity of protein kinases.

The inhibition and regulation of protein kinases especially constitute a powerful new mechanism of action for treating a large number of solid tumors.

Such complaints that the products of the present patent application can treat are thus most particularly solid tumors.

Such protein kinases belong especially to the following group: EGFR, Fak, FLK-1, FGFR1, FGFR2, FGFR3, FGFR4, FGFR5, flt-1, IGF-1R, KDR, PLK, PDGFR, tie2, VEGFR, AKT, Raf.

The protein kinase IGF1-R (Insulin Growth Factor-1 Receptor) is particularly indicated.

The protein kinase FAK is also indicated.

The protein kinase AKT is also indicated.

The present invention thus relates particularly to novel inhibitors of the IGF-1R receptor that may be used for oncology treatments.

The present invention also relates to novel FAK receptor inhibitors that may be used for oncology treatments.

The present invention also relates to novel AKT receptor inhibitors that may be used for oncology treatments.

Cancer remains a disease for which the existing treatments are clearly insufficient. Certain protein kinases, especially including IGF-1R (Insulin Growth Factor 1 Receptor), play an important role in many cancers. The inhibition of such protein kinases is potentially important in the chemotherapy of cancers, especially for suppressing the growth or survival of tumors. The present invention thus relates to the identification of novel products that inhibit such protein kinases.

Protein kinases participate in signaling events that control the activation, growth and differentiation of cells in response either to extracellular mediators or to changes in the environment. In general, these kinases belong to two groups: those that preferentially phosphorylate serine and/or threonine residues and those that preferentially phosphorylate tyrosine residues [S.K. Hanks and T. Hunter, FASEB. J., 1995, 9, pages 576-596]. The serine/threonine kinases are, for example, the isoforms of the protein kinases C [A.C. Newton, J. Biol. Chem., 1995, 270, pages 28495-28498] and a group of cycline-dependent kinases, for instance cdc2 [J. Pines, Trends in Biochemical Sciences, 1995, 18, pages 195-197]. Tyrosine kinases comprise growth factor receptors, for instance the epidermal growth factor (EGF) receptor [S. Iwashita and M. Kobayashi, Cellular Signalling, 1992, 4, pages 123-132], and cytosol kinases, for instance p56tck, p59fYn and ZAP-70 and the kinases csk [C. Chan et. al., Ann. Rev. Immunol., 1994, 12, pages 555-592].

Abnormally high levels of kinase protein activity have been implicated in many diseases, resulting from abnormal cellular functions. This may arise either directly or indirectly from a dysfunction in the mechanisms for controlling the kinase activity, linked, for example, to a mutation, an overexpression or an inappropriate activation of the enzyme, or an over- or underproduction of cytokines or of growth factors, also involved in the transduction of the signals upstream or downstream of the kinases. In all these cases, a selective inhibition of the action of the kinases offers hope of a beneficial effect.

The type 1 receptor for in the insulin-like growth factor (IGF-I-R) is a transmembrane receptor with tyrosine kinase activity which binds firstly to IGFI, but also to IGFII and to insulin with lower affinity. The binding of IGF1 to its receptor results in oligomerization of the receptor, the activation of tyrosine kinase, intermolecular autophosphorylation and the phosphorylation of cell substrates (main substrates: IRS1 and Shc). The receptor activated by its ligand induces mitogenic activity in normal cells. However, IGF-I-R plays an important role in "abnormal" growth.

Several clinical reports underline the important role of the IGF-I route in the development of human cancers:

IGF-I-R is often found overexpressed in many types of tumor (breast, colon, lung, sarcoma, etc.) and its presence is often associated with a more aggressive phenotype.

High concentrations of circulating IGF1 are strongly correlated with a risk of prostate cancer, lung cancer and breast cancer.

Furthermore, it has been widely documented that IGF-I-R is necessary for establishing and maintaining the transformed phenotype in vitro as in vivo [Baserga R,

Exp. Cell. Res., 1999, 253, pages 1-6]. The kinase activity of IGF-I-R is essential for the transformation activity of several oncogenes: EGFR, PDGFR, the large T antigen of the SV40 virus, activated Ras, Raf, and v-Src. The expression of IGF-I-R in normal fibroblasts induces a neoplastic phenotype, which may then result in the formation of a tumor in vivo. The expression of IGF-I-R plays an important role in substrate-independent growth. IGF-I-R has also been shown to be a protector in chemotherapy-induced and radiation-induced apoptosis, and cytokine-induced apoptosis. Furthermore, the inhibition of endogenous IGF-I-R with a negative dominant, the formation of a triple helix or the expression of an antisense sequence brings about suppression of the transforming activity *in vitro* and reduction of tumor growth in animal models.

Among the kinases for which a modulation of the activity is desired, FAK (Focal Adhesion Kinase) is also a preferred kinase.

FAK is a cytoplasmic tyrosine kinase that plays an important role in tranducing the signal transmitted by the integrins, a family of heterodimeric receptors of cellular adhesion. FAK and the integrins are colocalized in perimembrane structures known as adhesion plaques. It has been shown in many cell types that the activation of FAK and its phosphorylation on tyrosine residues and in particular its autophosphorylation on tyrosine 397 were dependent on the binding of the integrins to their extracellular ligands and thus induced during cellular adhesion [Kornberg L, and al. J. Biol. Chem. 267(33): 23439-442 (1992)]. The autophosphorylation on tyrosine 397 of FAK represents a binding site for another tyrosine kinase, Src, via its SH2 domain [Schaller et al. Mol. Cell. Biol. 14 : 1680-1688 1994 ; Xing et al. Mol. Cell. Biol. 5 : 413-421 1994]. Src can then phosphorylate FAK on tyrosine 925, thus recruiting the adapter protein Grb2

and inducing in certain cells activation of the ras and MAP kinase pathway involved in controlling cellular proliferation [Schlaepfer et al. Nature ; 372 : 786-791 1994; Schlaepfer et al. Prog. Biophy. Mol. Biol. 71: 435-478 1999 ; Schlaepfer and Hunter, J. Biol. Chem. 272: 13189-13195 1997].

The activation of FAK can thus induce the jun NH2-terminal kinase (JNK) signaling pathway and result in the progression of the cells to the G1 phase of the cellular cycle [Oktay et al., J. Cell. Biol.145: 1461-1469 1999]. Phosphatidylinositol-3-OH kinase (PI3-kinase) also binds to FAK on tyrosine 397 and this interaction might be necessary for the activation of PI3-kinase [Chen and Guan, Proc. Nat. Acad. Sci. USA. 91: 10148-10152 1994; Ling et al. J. Cell. Biochem. 73: 533-544 1999]. The FAK/Src complex phosphorylates various substrates, for instance paxillin and p130CAS in fibroblasts [Vuori et al. Mol. Cell. Biol. 16: 2606-2613 1996].

The results of numerous studies support the hypothesis that FAK inhibitors might be useful in treating cancer. Studies have suggested that FAK might play an important role in *in vitro* cell proliferation and/or survival. For example, in CHO cells, certain authors have demonstrated that the overexpression of p125FAK induces an acceleration of the G1 to S transition, suggesting that p125FAK promotes cellular proliferation [Zhao J.-H et al. J. Cell Biol. 143: 1997-2008 1998]. Other authors have shown that tumor cells treated with FAK antisense oligonucleotides lose their adhesion and go into apoptosis (Xu et al, Cell Growth Differ. 4: 413-418 1996). It has also been demonstrated that FAK promotes the migration of cells *in vitro*. Thus, fibroblasts that are deficient for the expression of FAK ("knockout" mice for FAK) show a rounded morphology and deficiencies in cell migration in response to chimiotactic signals, and these defects are suppressed by

reexpression of FAK [DJ. Sieg et al., J. Cell Science. 112: 2677-91 1999]. The overexpression of the C-terminal domain of FAK (FRNK) blocks the stretching of adherent cells and reduces cellular migration *in vitro* [Richardson A. and Parsons J.T. Nature. 380: 538-540 1996]. The overexpression of FAK in CHO or COS cells or in human astrocytoma cells promotes migration of the cells. The involvement of FAK in promoting the proliferation and migration of cells in numerous cell types *in vitro* suggests the potential role of FAK in neoplastic processes. A recent study has effectively demonstrated the increase in the proliferation of tumor cells *in vivo* after induction of the expression of FAK in human astrocytoma cells [Cary L.A. et al. J. Cell Sci. 109: 1787-94 1996; Wang D et al. J. Cell Sci. 113: 4221-4230 2000]. Furthermore, immunohistochemical studies on human biopsies have demonstrated that FAK is overexpressed in prostate cancer, breast cancer, thyroid cancer, cancer of the colon, melanoma, brain cancer and lung cancer, the level of expression of FAK being directly correlated to the tumors having the most aggressive phenotype [Weiner TM, et al. Lancet. 342 (8878): 1024-1025 1993; Owens et al. Cancer Research. 55: 2752-2755 1995; Maung K. et al. Oncogene 18: 6824-6828 1999; Wang D et al. J. Cell Sci. 113: 4221-4230 2000].

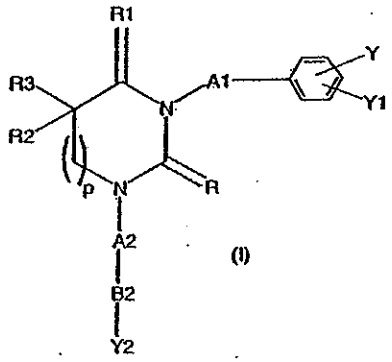
Protein kinase AKT (also known as PKB) and phosphoinositide 3-kinase (PI3K) are involved in a cell signaling pathway that transmits signals from growth factors activating membrane receptors.

This transduction pathway is involved in numerous cellular functions: regulation of apoptosis, control of transcription and translation, glucose metabolism, angiogenesis and mitochondrial integrity. First identified as an important component of insulin-dependent signaling pathways regulating metabolic responses, serine/threonine kinase AKT was then identified as a

mediator playing a key role in survival induced with growth factors. It has been shown that AKT can inhibit death by apoptosis induced by various stimuli, in a certain number of cell types and tumor cells. In accordance with these findings, it has been shown that AKT can, by phosphorylation of given serine residues, inactivate BAD, GSK3β, caspase-9, and Forkhead transcription factor, and can activate IKKalpha and e-NOS. It is interesting to note that the protein BAD is found hyper-phosphorylated in 11 human tumor cell lines out of 41 studied. Furthermore, it has been shown that hypoxia modulates the induction of VEGF in cells transformed with Ha-ras by activating the PI3K/AKT pathway and by involving the binding sequence of the HIF-1 (hypoxia inducible factor-1) transcription factor known as HRE for "hypoxy-responsive element".

AKT plays a very important role in cancer pathologies. The amplification and/or overexpression of AKT has been reported in many human tumors, for instance gastric carcinoma (amplification of AKT1), ovary carcinoma, breast carcinoma or pancreatic carcinoma (amplification and overexpression of AKT2) and breast carcinomas deficient in estrogen receptors, and also androgen-independent prostate carcinomas (overexpression of AKT3). Furthermore, AKT is constitutively activated in all the PTEN (-/-) tumors, the PTEN phosphatase being deleted or inactivated by mutations in many types of tumors, for instance carcinomas of the ovary, of the prostate, of the endometrium, glioblastomas and melanomas. AKT is also involved in the oncogenic activation of bcr-abl (references: Khawaja A., Nature 1999, 401, 33-34; Cardone et al. Nature 1998, 282, 1318-1321; Kitada S. et al., Am J Pathol 1998 Jan; 152(1): 51-61; Mazure NM et al. Blood 1997, *90*, 3322-3331; Zhong H. et al. Cancer Res. 2000, 60, 1541-1545).

In a first aspect, there is provided the compound of formula I:




(I)

wherein

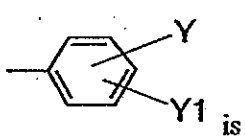
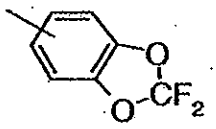
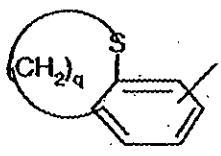
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, hydroxyphenylalkyl, thienylbenzothienylalkyl, phenylalkyl , pyridylalkyl, benzothienylalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7, the phenylalkyl, pyridylalkyl, and benzothienylalkyl being optionally substituted with one or more radicals chosen from halogen, hydroxyl, alkyl and alkoxy containing from one to four carbon atoms.

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, phenyl optionally substituted with -NR5R6, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -COOR13, -COOR9, -OCOR13, -OCOR8, NR5R6, CONR5R6, $-S(O)_n$-NR5R6, -NR10-CO-R13, -NHCOR8, $-NHS(O)_nR8$, $-NH-S(O)_nCF_3$, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or –NR10-COOR13, all of which are optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, $-N(R10)-S(O)_n$-R8, $-S(O)_n$-R8, $-N(R10)-S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, cycloalkylalkyl, $C_1$-$C_4$ alkyl, phenyl, or phenylalkyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of $C_1$-$C_4$ alkyl, halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

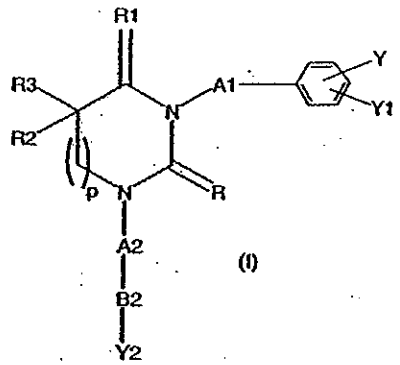
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

In a second aspect, there is provided the compound of formula I:




(I)

wherein

p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, phenyl, phenylalkyl, heterocyclyl, heterocyclylalkyl, heteroaryl or heteroarylalkyl, which are optionally substituted, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or heterocyclyl, and the heterocyclyl contains one or more hetero atoms chosen from O, S, N and NR7b, all these radicals being optionally substituted,

all the above R2 and R3 radicals being optionally substituted with one or more radicals chosen from halogen, cyano, hydroxyl, alkyl and alkoxy containing 1 to 4 carbon atoms, $-CF_3$, nitro, phenyl, carboxyl which is free, salified, esterified with alkyl or amidated with -NR11bR12b, -C(=O)-R9b, -NR11bR12b and -C(=O)-NR11bR12b,

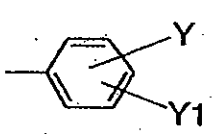
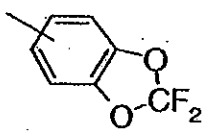
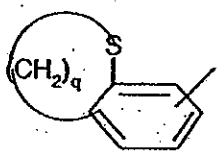
R7b is hydrogen, alkyl or phenyl,

R9b is hydrogen, alkyl, cycloalkyl, cycloalkylalkyl or phenyl,

R11b and R12b, which may be identical or different, are hydrogen, alkyl, cycloalkyl or phenyl, or R11b and R12b taken together with the nitrogen atom to which they are attached form, an optionally substituted piperazinyl ,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted.

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -COOR13, -OCOR13, NR5R6, CONR5R6, $-S(O)_n$-NR5R6, -NR10-CO-R13, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or -NR10-COOR13, all of which are optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, except for the radicals of R2 and R3, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$-R8, $-S(O)_n$-R8, -N(R10)-$S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$-cycloalkyl, $C_1$-$C_4$-alkyl or phenyl optionally substituted with one or more substituents, which may be identical or different, selected from

the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

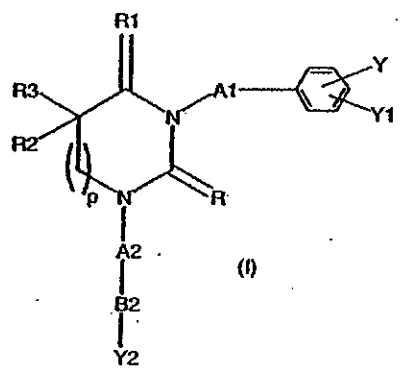
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or -S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk always substituted with a hydroxamate (-CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2Alk$ or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

In a third aspect, there is provided the compound of formula I:




(I)

wherein

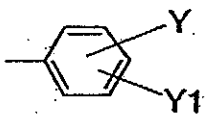
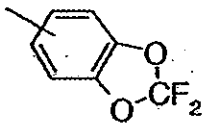
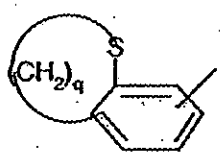
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, -COOH, -COOAlk, -CONR5R6, -NR5R6, -NR10-COOR6, –NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or –NR10-$SO_2$-R6, which are all optionally substituted,

R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, cycloalkyl, phenyl and 5- or 6-membered heteroaryl containing 1 to 3 hetero atoms chosen from O, N and S, which are all optionally substituted, or R5 and R6 taken together with the nitrogen atom to which they are attached form an optionally substituted pyrrolidinyl, piperidyl, piperazinyl, morpholinyl or quinazolinyl,

R10 is hydrogen or alkyl,

all the alkyl, alkoxy, cycloalkyl and phenyl of Y2, R5, R6 and R10, and also the ring formed by R5 and R6 with the atom to which they are attached, are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, cyano, hydroxyl, alkyl, alkoxy, $OCF_3$, $-CF_3$, $-S(O)_n-CF_3$, nitro, oxo, thioxo, -OCOAlk; and phenyl, which is optionally substituted with one or more radicals chosen from halogen, alkyl, alkoxy; -OCOAlk; $-NH_2$, -NHAlk, $-N(Alk)_2$, -N(alk)(phenylalkyl), -N(Alk)(aminoalkyl), -N(Alk)(alkylaminoalkyl), -N(Alk)(dialkylaminoalkyl), and carboxyl in free form or esterified with an alkyl,

all Y2, R5, and R6 phenyl are optionally substituted with alkylenedioxy,

all Y2, R5, R6, and R10 alkyl are optionally substituted with one or more saturated or partially

unsaturated 4- to 7-membered heterocyclyl containing at least one nitrogen atom N and 0 to 2 other hetero atoms chosen from O, N and S,

all the pyrrolidinyl and quinazolinyl of Y2, R5, and R6 are optionally substituted with oxo or thioxo,

all the aryl and heteroaryl above contain not more than 10 carbon atoms.

except for the radicals of Y2, R5, R6 and R10, all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl and heteroaryl above, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_q$-R8, -$S(O)_q$-R8, -N(R10)-$S(O)_q$-NR11R12 and -$S(O)_q$-NR11R12,

except for the radicals of Y2, R5, and R6, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for the radicals of Y2, R5, and R6, all the cyclic radicals above are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

all the alkyl, alkenyl, alkynyl and alkoxy being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl containing not more than 7 carbon atoms,

p is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or -S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

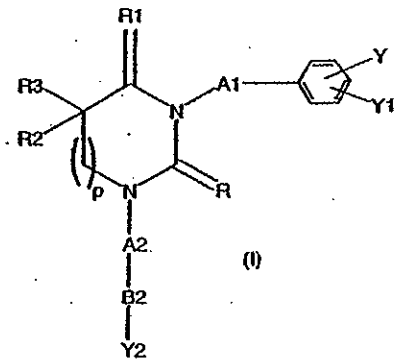
b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, -$S(O)_2$-alkyl or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an

optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (-CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-Alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalky, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

In a fourth aspect, there is provided the compound of formula I:




(I)

wherein

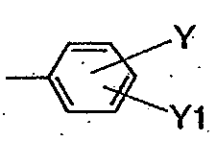
p is 0, 1 or 2.

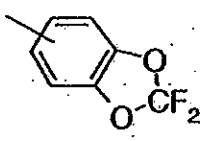
R and R1, which may be identical or different, are O or NH,

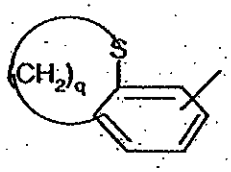
R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalky, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached from 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl.

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, $-SO_2$NR5R6, $-SF_5$, and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, $SO_2$NR5R6, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the 

is 

or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkeny, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -COOR13, -OCOR13, NR5R6, CONR5R6, $-S(O)_n$-NR5R6, -NR10-CO-R13, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or -NR10-COOR13, all of which are optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

all the alkyl above are optionally substituted with heterocyclyl chosen from thiomorpholin-4-yl, thiazolidin-3-yl, azetidin-1-yl, piperazinyl, imidazolyl, morpholinyl, pyrrolidinyl, piperidyl and azepanyl, all of which are optionally substituted with one or more radicals chosen from alkyl, hydroxyalkyl, oxo, pyridyl and phenyl optionally substituted with one or more radicals chosen from halogen, alkyl, hydroxyl, alkoxy, -CN, carboxyl or amino, which are themselves optionally substituted,

all the carbocyclyl, heterocyclyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$-R8, $-S(O)_n$-R8, -N(R10)-$S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl, or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

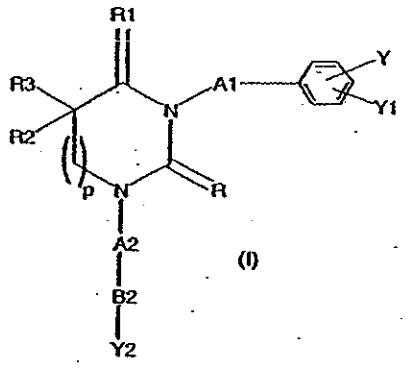
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$, -SO-Alk, -$S(O)_2$-alk or -$SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heteocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be indentical or different, are one is -$SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

In a fifth aspect, there is provided the compound of formula I:




(I)

wherein

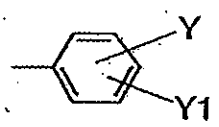
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

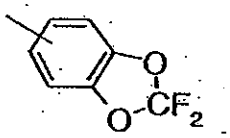
R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

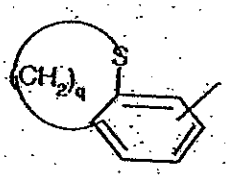
Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,




or the is




or




that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocylic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, -CONR5R6, -NR5R6, -NR10-COOH, -NR10-COOAlk, –NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or -NR10-$SO_2$-R6,

R5 and R6, which may be identical or different, are chosen from hydrogen; alkyl; cycloalkyl; phenyl; pyrimidinyl; thienyl; pyridyl; quinolyl; thiazolyl optionally substituted with one or two halogen; pyran optionally substituted with one or more -OCOAlk; phenyl substituted with one or more radicals chosen from halogen, alkyl, alkoxy, amino, alkylamino, dialkylamino and carboxyl in free form or esterified with an alkyl radical; alkyl substituted with phenyl, which is itself optionally substituted with one or more radicals chosen from halogen, alkyl, alkoxy, amino, alkylamino, dialkylamino, carboxyl in free form or esterified with an alkyl radical; alkyl substituted with piperazinyl, which is itself optionally substituted with one or more radicals chosen from Alk, Alk-OH and pyridyl; alkyl substituted with imidazolyl; alkyl substituted with one or more radicals chosen from -$NH_2$, -NHAlk, -N(Alk)$_2$, -N(alk)(phenylalkyl), -N(Alk)(aminoalkyl), -N(Alk)(alkylaminoalkyl) and -N(Alk)(dialkylaminoalkyl); alkyl substituted with morpholinyl optionally substituted with one or two Alk; alkyl substituted with pyrrolidinyl; alkyl substituted with piperidyl, which is itself optionally substituted with one or two Alk; alkyl substituted with thiomorpholinyl; alkyl substituted with azetidinyl; and alkyl substituted with azepanyl, which is optionally substituted with oxo,

or R5 and R6 taken together with the nitrogen atom to which they are attached form pyrrolidinyl; piperidyl; piperazinyl; morpholinyl; or quinazolinyl, all of which are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, alkyl, hydroxyl and alkoxy, and phenyl which is optionally substituted with one or more radicals chosen from halogen, alkyl and alkoxy,

the pyrrolidinyl and quinazolinyl are optionally substituted with oxo or thioxo,

the piperazinyl itself is optionally substituted with one or more radicals chosen from Alk, Alk-OH and pyridyl,

except for the radicals of Y2, R5, R6 and R10, all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-S(O)$_a$-R8, -S(O)$_a$-R8, -N(R10)-S(O)$_a$-NR11R12 and -S(O)$_a$-NR11R12,

except for the radicals of Y2, R5, and R6, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for the radicals of Y2, R5, and R6, all the cyclic radicals above, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

R10 is hydrogen or alkyl,

all alkyl, Alk, alkenyl, alkynyl and alkoxy above being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl containing not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

all the phenyl of Y2, R5, and R6 are optionally substituted with a radical chosen from $-CF_3$, $-OCF_3$, nitro and alkylenedioxy

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

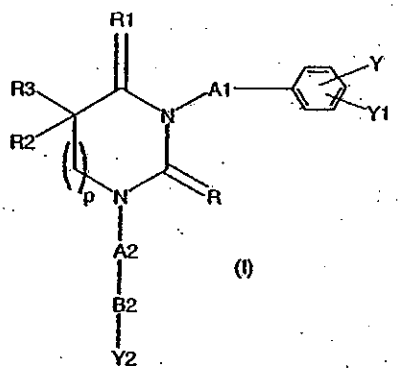
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or -S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alkyl or $-SO_2NH_2$. A2 is CH2 and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (-CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-Alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalky, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

In a sixth aspect, there is provided the compound of formula I:




(I)

wherein

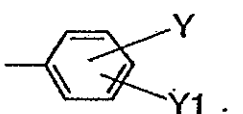
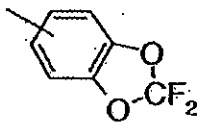
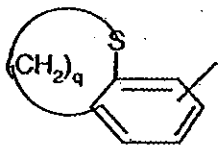
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl contaning one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acy, $-S(O)_2$Alk, $-S(O)_2$Aryl, $-S(O)_2$ heteroaryl or $-S(O)_2NR5R6$,

Y2 is V1, halogen, hydroxyl, -C(=NH)$NH_2$, OV1, O-CO-V1, COOV1, COV1, CO-NV1V2, -NV1V2, -NH-CO-V1, -NH-COO-V1, -NH-NH-CO-V1, -NV1-CO-NV1V2, -NV1-CO-NHV1, -NH-CO-NHV1, -NH-$SO_2$-NHV1 and -NH-$SO_2$-V1,

in which V1 and V2, which may be identical or different, are hydrogen, alkyl, cycloalkyl or phenyl or heterocyclyl,

all the alkyl, phenyl and heterocyclyl of V1 and V2 being optionally substituted with one or more radicals chosen from halogen, hydroxyl, alkyl, alkoxy, -$CF_3$, $NH_2$, NH-alk, N(Alk)$_2$ and phenyl, itself optionally substituted with one or more substituents chosen from halogen, hydroxyl and alkoxy radicals,

all the phenyl and heterocyclyl of V1 and V2 are optionally substituted with one or more alkyl,

the phenyl of V1 and V2 is optionally substituted with –NR5R6,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

except for V1 and V2, all the carbocyclyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-S(O)$_n$–R8, -S(O)$_n$-R8, -N(R10)-S(O)$_n$–NR11R12 and –S(O)$_n$-NR11R12.

except for V1 and V2, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for V1 and V2, all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylakly, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one more more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso;

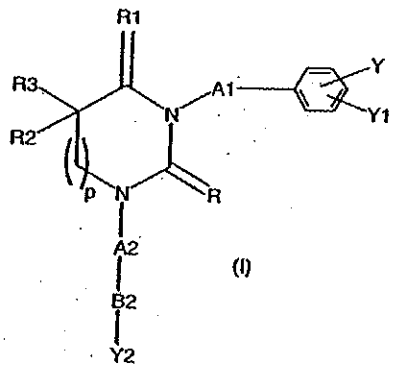
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (-CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is:$-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen,

In a seventh aspect, there is provided the compound of formula I:




(I)

wherein

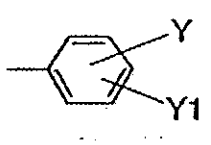
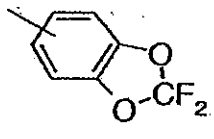
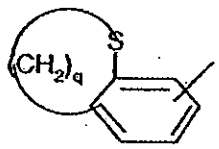
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3-10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl contaning one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$ heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, alkyl, cycloalkyl, hydroxyl, alkoxy, carboxyl which is free or esterified with an alkyl or phenyl, $-NH_2$, -NHalk, $-N(Alk)_2$ or phenyl,

all the Y2 alkyl, alkoxy and phenyl are optionally substituted with one or more radicals chosen from halogen, hydroxyl, $C_1$-$C_4$ alkyl, $C_1$-$C_4$ alkoxy, $-CF_3$, $-NH_2$, -NH-alk, $N(Alk)_2$ and phenyl, which is itself optionally substituted with one or more substituents chosen from halogen, hydroxyl and alkoxy,

all the Y2 phenyl are optionally substituted with one or more $C_1$-$C_4$ alkyl and optionally substituted with -NR5R6,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

except for Y2, all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are

attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-S(O)$_n$-R8, -S(O)$_n$-R8, -N(R10)-S(O)$_n$-NR11R12 and –S(O)$_n$-NR11R12,

except for Y2, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for Y2, all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or pheny, optionally substituted with one ore more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heteocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

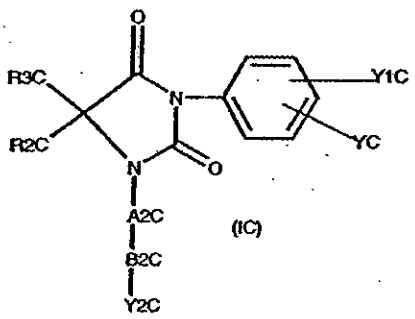
b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$, -SO-Alk, -S(O)$_2$-alk or -$SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heteocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -S(O)$_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-

membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2Alk$ or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

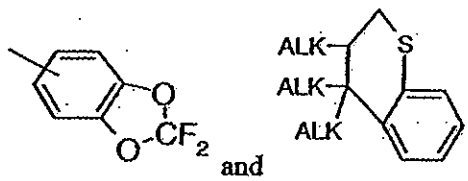
In an eighth aspect, there is provided the compound of formula IC:




(IC)

in which YC and Y1C are such that one is hydrogen, halogen, or amino and the other is chosen from -$OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, -$SF_5$, -$S(O)_n$-$CF_3$, -$S(O)_n$-alk, -$SO_2CHF_2$, $SO_2CF_2CF_3$, -$SO_2NH_2$, -S-$CF_2$-$CF_2$-$CF_3$, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-morpholino, -S-Alk-pyrrolidyl and -S-Alk-piperazinyl, the morpholino, pyrrolidyl and piperazinyl are optionally substituted with Alk, with Alk being alkyl containing from 1 to 4 carbon atoms,

or the phenyl thereof with its substituents YC and Y1C forms one of the two following radicals:




and

R2C and R3C, which may be identical or different, are hydrogen or optionally substituted alkyl, or R2C and R3C taken together with the carbon atom to which they are attached form, a $C_3$-$C_{10}$ cycloalkyl or heterocyclyl,

A2C is single bond or $CH_2$,

B2C is pyridyl, pyrimidyl, quinolyl, azaindolyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl, isoxazolyl, morpholinyl, pyrrolidyl, furyl, piperidyl, chromenyl, oxochromenyl, quinazolyl, thienyl, indolyl, pyrrolyl, purinyl, benzoxazinyl, benzimidazolyl or benzofuryl, that are optionally substituted with one or more radicals chosen from the definition of Y2C,

Y2C is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, -COOH, -COOAlk, -CONR5R6, -NR5R6, -NR10-COOH, -NR10-COOAlk, -NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or -NR10-$SO_2$-R6, all these radicals are optionally substituted,

R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, cycloalkyl, phenyl, pyrimidyl, thienyl, pyridyl, quinolyl, thiazolyl and pyran, all these radicals are optionally substituted, or R5 and R6 taken together with the nitrogen atom to which they are attached form optionally substituted pyrrolidyl, piperidyl, piperazinyl, morpholinyl or quinazolinyl,

R10 is hydrogen or alkyl,

all the alkyl, Alk or ALK, alkoxy, cycloalkyl and phenyl radicals , and also the ring formed by R5 and R6 with the atom to which they are attached, are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, cyano, hydroxyl, alkyl, alkoxy, -$OCF_3$, -$CF_3$, -$S(O)_n$-$CF_3$, nitro, oxo, thioxo, -OCOAlk, and phenyl, itself optionally substituted with one or more radicals chosen from halogen, alkyl, alkoxy; -OCOAlk; -$NH_2$, -NHAlk, -$N(Alk)_2$, -N(alk)(phenylalkyl), -N(Alk)(aminoalkyl) -N(Alk)(alkylaminoalkyl), -N(Alk)(dialkylaminoalkyl); carboxyl in free form or esterified with alkyl,

all the phenyl are optionally substituted with alkylenedioxy,

all the alkyl are optionally substituted with one or more radicals chosen from piperazinyl, itself optionally substituted with Alk, Alk-OH and pyridyl; imidazolyl; morpholinyl; pyrrolidyl; piperidyl, itself optionally substituted with one or two alk; azepanyl optionally substituted with oxo,

all the pyrrolidyl and quinazolinyl are optionally substituted with oxo or thioxo,

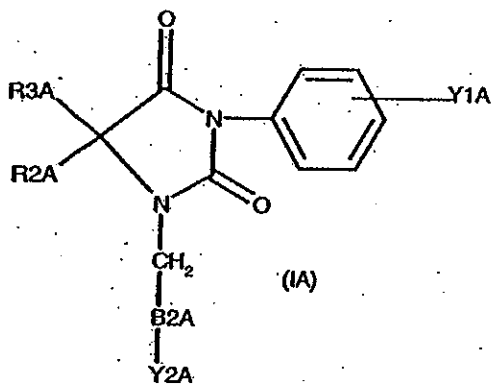
all the alkyl and alkoxy being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl containing not more than 7 carbon atoms, and

n is 0 to 2, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

In a ninth aspect, there is provided the compound of formula IA:




(IA)

in which:

Y1A is -$OCF_3$, -$S(O)_n$-$CF_3$ and -$SO_2CHF_2$,

B2a is 4-quinolyl and 4-pyridyl optionally substituted with one or more radicals chosen from the definition of Y2A,

Y2A is defined as Y2,

R2A and R3A, which may be identical or different, are hydrogen or optionally substituted alkyl, or R2A and R3A taken together with the carbon atom to which they are attached form a $C_3$-$C_{10}$ cycloalkyl or heterocyclyl,

all the alkyl and phenyl above are optionally substituted with one or more radicals chosen from halogen, -OH, alk, -O-alk, -$OCF_3$, -$S(O)_n$-$CF_3$, -$CF_3$, -$NH_2$, -NH-Alk and -$N(Alk)_2$, and

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, -$S(O)_n$-alkyl, -$S(O)_n$-alkenyl, -$S(O)_n$-alkynyl, -$S(O)_n$-cycloalkyl, -COOR13, -OCOR13, NR5R6, CONR5R6, -$S(O)_n$-NR5R6, -NR10-CO-R13, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or –NR10-COOR13, all of which are optionally substituted,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen form O, S, N and NR&,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acy, -$S(O)_2$Alk, -$S(O)_2$Aryl, - $S(O)_2$ heteroaryl or-$S(O)_2$NR5R6 except for Y1A, B2a, R2A and R3A, all carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$-R8, -$S(O)_2$-R8, -N(R10)-$S(O)_n$-NR11R12 and -$S(O)_n$-NR11R12,

except for B2a, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkocy and alkylenedioxy,

except for B2a, R2A and R3A, all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$-alkyl, or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$ nitro, phenyl, and free, salified, esterified or amidated carboxyl,

Or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosenf rom O, S, N and NR7,

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, and

n is 0 to 2, or a racemic, enantiomeric or diastereoisomeric isomer form of said compound, or an additio salt with a mineral or organic acid or with a mineral or organic base thereof

In a tenth aspect, there is provided a compound selected from the group consisting of:

(S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(S)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-4-methyl-3-quinol-4-ylmethyl-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)imidazolidin-2-one trifluoroacetate;

(R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-(4-hydroxybenzyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-(4-hydroxybenzyl)-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-(1-hydroxyethyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

4-quinol-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-quinol-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-pyrid-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-pyrid-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

(R)-1-(3-hydroxypyrid-4-ylmethyl)-5-methyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate ;

5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate ;

5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate ;

5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate :

1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate ;

1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate ;

1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

4-quinol-4-ylmethyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate ;

4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate ;

4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}cyclopropanecarboxamide trifluoroacetate;

5,5-dimethyl-1-[2-(pyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}isobutyramide; compound with trifluoroacetic acid;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide; compound with trifluoroacetic acid;

1-(2-aminopyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione hydrochloride;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}pyridine-2-carboxamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-piperid-1-ylpropionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-[4-(2-hydroxyethyl)piperazin-1-yl]propionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-morpholin-4-ylpropionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-pyrrolidin-1-ylpropionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-methylpiperazin-1-yl)propionamide trifluoroacetate;

1-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-phenylurea;

1-[2-(6-ethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(4-methylpyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(6-methylpyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imi-dazolidine-2,4-dione;

1-[2-(4,6-dimethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

1-[2-(3,5-dichloropyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(pyrid-4-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(pyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(2-oxoazepan-1-yl)propionamide;

3-(benzylmethylamino)-N-{4-[5,5-dimethyl-2,4-di-oxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide;

4,5-diacetoxy-6-acetoxymethyl-2-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thioureidoacetic acid;

5,5-dimethyl-1-[2-(5-methylpyrid-2-ylamino)pyri-din-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3,5-dimethoxybenzamide trifluoroacetate;

5,5-dimethyl-1-[2-(pyrazin-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(3-methylpiperid-1-yl)propionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(3,5-dimethylpiperid-1-yl)propionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-methoxybenzamide trifluoroacetate;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}pyrazine-2-carboxamide trifluoroacetate;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thiophene-2-carboxamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-4-methylbenzamide; compound with trifluoroacetic acid;

1-isoquinolin-5-yl-5,5-dimethyl-3-(4-trifluoro-methylsulfanylphenyl)imidazolidine-2,4-dione;[[;]]

3-(4-acetylpiperazin-1-yl)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide;

3-[4-(2-diethylaminoethyl)piperazin-1-yl]-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(2,6-dimethylmorpholin-4-yl)propionamide;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-pyrrolidin-1-ylpiperid-1-yl)propionamide;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-2-(4-pyrrolidin-1-ylpiperid-1-yl)acetamide;

5,5-dimethyl-1-[2-(4-methylpyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(6-morpholin-4-ylpyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

1-[2-(2,6-dimethylpyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

methyl 5-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-ylamino}pyridine-2-carboxylate;

1-[2-(2,6-dimethoxypyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

1-[2-(6-fluoropyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione; and

1-[2-(6-methoxypyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

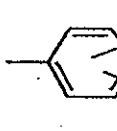
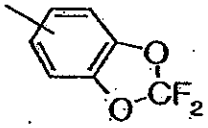
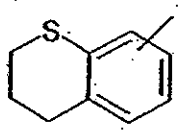
In an eleventh aspect, there is provided a pharmaceutical composition comprising a pharmaceutically effective amount of a compound as defined above and a pharmaceutically acceptable adjuvant.

In a twelfth aspect, there is provided the use of a composition comprising a protein kinase and the compound as defined above in the manufacture of a medicament for inhibiting the activity of a protein kinase.

In a thirteenth aspect, there is provided the use of a physiologically effective amount of the compound as defined above in the manufacture of a medicament for treating a patient suffering from or subject to a physiological condition that can be ameliorated by a protein kinase inhibitor.

In a fourteenth aspect, there is provided the compound as defined above wherein

Y and Y1, which may be identical or different, are such that one of Y and Y1 is selected from the group consisting of $OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-S(O)_nCF_3$, $-S-CF_2-CF_2-CF_3$, $-S(O)_n$-alk, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-heterocyclyl, $-SO_2CHF_2$, $-SO_2CF_2CF_3$, $-SO_2NR5R6$ and $-SF_5$, in which Alk is alkyl containing from 1 to 4 carbon atoms, and the other of Y and Y1 is chosen from the group consisting of hydrogen, halogen, nitro, -NR5R6, free or esterified carboxyl, and -CONR5R6,

or the  is  or 

being optionally substituted with one or more alkyl, which are themselves optionally substituted, or a

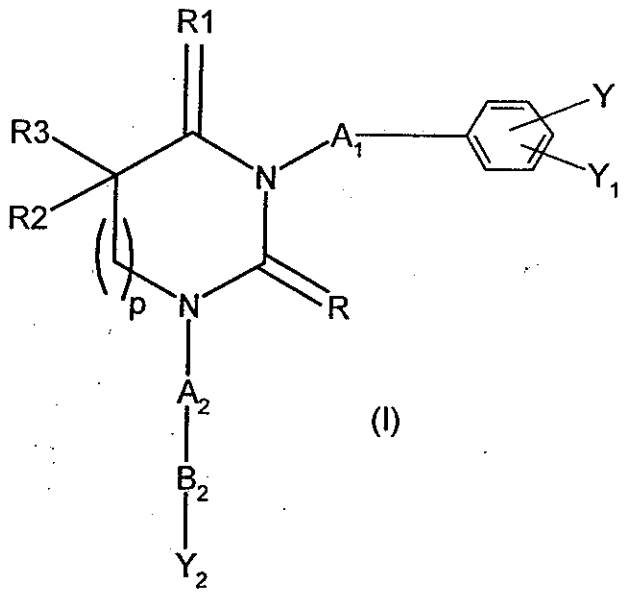
racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof, with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH); or

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl.

Disclosed herein are products of general formula (I):




(I)

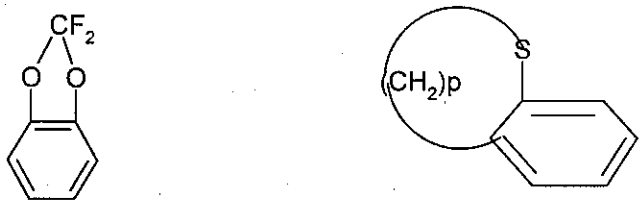
in which p represents an integer from 0 to 2,

R and R1, which may be identical or different, represent O or NH,

R2 and R3, which may be identical or different, represent hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl which are optionally substituted, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a carbocyclic or heterocyclic radical, these radicals being 3- to 10-membered and the heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, all these radicals optionally being substituted,

A1 represents a single bond, an alkyl radical or an allyl or propynyl radical,

Y and Y1, which may be identical or different, are such that one from among Y and Y1 is chosen from OCF3, -O-CF2-CHF2, -O-CHF2, -O-CH2-CF3, SO2NR5R6, SF5 and -S(O)n-alkyl and the other from among Y and Y1 is chosen from these same values and in addition from the following values: hydrogen, halogen, hydroxyl, alkoxy, nitro, CN, NR5R6, optionally substituted alkyl, optionally substituted aryl and heteroaryl, CF3, O-alkenyl, O-alkynyl, O-cycloalkyl, S(O)n-alkenyl, S(O)n-alkynyl, S(O)n-cycloalkyl, free, salified or esterified carboxyl and CONR5R6,
or alternatively the phenyl radical forms with its substituents Y and Y1 the following radicals:




with p representing the integer 2, 3 or 4, the radical thus formed being optionally substituted with one or more alkyl radicals that are themselves optionally substituted,
R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, aryl and heteroaryl, which are optionally substituted, or alternatively R5 and R6 form, with the nitrogen atom to which they are attached, a 3- to 10-membered heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, which is optionally substituted,
A2, which may be identical to or different from A1, represents the values of A1 and CO and SO2,
B2 represents a saturated or unsaturated monocyclic or bicyclic heterocyclic radical containing 1 or more identical or different hetero atoms chosen from O, S, N and NR7, optionally substituted with one or more

identical or different substitutents chosen from the values of Y2,

R7 represents a hydrogen atom or an alkyl, cycloalkyl, phenyl, acyl, S(O)2Alk, S(O)2Aryl, S(O)2heteroaryl or S(O)2NR5R6 radical,

Y2 represents hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, -S(O)n-alkyl, -S(O)n-alkenyl, -S(O)n-alkynyl, S(O)n-cycloalkyl, COOR13, -OCOR13, NR5R6, CONR5R6, S(O)n-NR5R6, -NR10-CO-R13, -NR10-SO2-R13, NH-SO2-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6, -NR10-COOR13, all these radicals optionally being substituted,

all the alkyl, alkenyl, alkynyl and alkoxy radicals above being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl and heterocycloalkyl radicals above containing not more than 7 carbon atoms,

all the aryl and heteroaryl radicals above containing not more than 10 carbon atoms,

all the carbocyclic and heterocyclic alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocycloalkyl, aryl and heteroaryl radicals above, and also the ring formed by R5 and R6 with the atom to which they are attached, optionally being substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and cyano, hydroxyl, alkoxy, CF3, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, N(R10)-C(=O)-NR11R12, -N(R10)-S(O)n-R8, -S(O)n-R8, -N(R10)-S(O)n-NR11R12 or -S(O)n-NR11R12 radicals,

all the aryl and heteroaryl radicals above furthermore being optionally substituted with one or more radicals chosen from alkyl, alkoxy and alkylenedioxy radicals,

all the cyclic radicals above, and also the ring formed by R5 and R6 with the atom to which they are attached, being moreover optionally substituted with one or more radicals chosen from oxo and thioxo,

n represents an integer from 0 to 2,

R8 represents alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocycloalkyl, heterocycloalkylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 represents the values of R8 and hydrogen,

R10 represents hydrogen or alkyl,

R11 and R12, which may be identical or different, represent hydrogen, C3-C6 cycloalkyl, C1-C4 alkyl and phenyl, optionally substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and cyano, hydroxyl, alkoxy, CF3, nitro, phenyl and free, salified, esterified or amidated carboxyl radicals, or alternatively R11 and R12 form, with the nitrogen atom to which they are attached, a 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7 and preferably a cyclic amine,

R13, which may be identical to or different than R5 or R6, being chosen from the values of R5 or R6,

it being understood that the products of formula (I) are as defined below from a) to d):

a) when p represents the integer 0, R represents oxygen, R1 represents oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents OCF3 or Salk, A2 represents a single bond or alkyl and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other imidazolylalkyl,

b) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents OCF3, SOAlk, S(O)2alk or SO2NH2, A2

represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other an alkyl chain optionally interrupted with O, S or N-alk always substituted with a hydroxamate -CO-NHOH

c) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents S(O)nAlk, A2 represents a single bond and B2 represents an optionally substituted 5- or 6-membered aromatic heterocyclic radical, then R2 and R3 are not chosen from hydrogen, alkyl, arylalkyl, aryl and heteroaryl,

d) when p represents an integer from 0 to 2, R and R1 represent oxygen, A1 represents a single bond, Y and Y1, which may be identical or different, are such that one represents SO2Alk or SO2NH2 and the other represents NR5R6, A2 represents a single bond or alkylene and B2 represents an optionally substituted 5- to 10-membered heterocyclic radical, then R2 and R3 do not both represent hydrogen,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Disclosed further herein are the products of general formula (I) as defined above in which p represents an integer from 0 to 2,

R and R1, which may be identical or different, represent O or NH,

R2 and R3, which may be identical or different, represent hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl which are optionally substituted, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a carbocyclic or

heterocyclic radical, these radicals being 3- to 10-membered and the heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, all these radicals optionally being substituted,

A1 represents a single bond, an alkyl radical or an allyl or propynyl radical,

Y and Y1, which may be identical or different, are such that one from among Y and Y1 is chosen from OCF3, S(O)nCF3, S(O)nAlk, SO2CHF2, SO2CF2CF3 and SO2NR5R6 and the other from among Y and Y1 is chosen from these same values and in addition from the following values: hydrogen, halogen, hydroxyl, alkoxy, NR5R6, optionally substituted alkyl, optionally substituted aryl and heteroaryl, CF3, O-allyl, O-propynyl, O-cycloalkyl, S(O)n-allyl, S(O)n-propynyl, S(O)n-cycloalkyl, free, salified or esterified carboxyl and CONR5R6,

in which R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, aryl and heteroaryl, which are optionally substituted, or alternatively R5 and R6 form, with the nitrogen atom to which they are attached, a 3- to 10-membered heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, which is optionally substituted,

A2, which may be identical to or different from A1, represents the values of A1 and CO and SO2,

B2 represents a saturated or unsaturated heterocyclic radical containing 1 or more identical or different hetero atoms chosen from O, S, N and NR7, optionally substituted with one or more identical or different substitutents chosen from the values of Y2,

R7 represents a hydrogen atom or an alkyl, cycloalkyl, phenyl, aryl, S(O)2alk, S(O)2aryl, S(O)2heteroaryl or S(O)2NRSR6 radical,

Y2 represents hydrogen, halogen, hydroxyl, alkyl, alkoxy, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, O-allyl,

O-propynyl, O-cycloalkyl, S(O)n-alkyl, S(O)n-allyl, S(O)n-propynyl, S(O)n-cycloalkyl, COOR9, OCOR8, NR5R6, CONR5R6, S(O)n-R5R6, NHCOR8, NH-S(O)nR8 or NH-S(O)nCF3 or NH-SO2-NR5R6, all these radicals being optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy radicals above being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl and heterocycloalkyl radicals above containing not more than 7 carbon atoms,

all the aryl and heteroaryl radicals above containing not more than 10 carbon atoms,

all the carbocyclic and heterocyclic alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocycloalkyl, aryl and heteroaryl radicals above optionally being substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and cyano, hydroxyl, alkoxy, CF3, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, N(R10)-C(=O)-NR11R12, -N(R10)-S(O)n-R8, -S(O)n-R8, -N(R10)-S(O)n-NR11R12 or -S(O)n-NR11R12 radicals,

all the aryl and heteroaryl radicals above furthermore being optionally substituted with one or more radicals chosen from alkyl and alkylenedioxy radicals,

n represents an integer from 0 to 2,

R8 represents alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocycloalkyl, heterocycloalkylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 represents the values of R8 and hydrogen,

R10 represents hydrogen or alkyl,

R11 and R12, which may be identical or different, represent hydrogen, C3-C6 cycloalkyl, C1-C4 alkyl and phenyl,

optionally substituted with one or more radicals, which may be identical or different, chosen from halogen atoms

and cyano, hydroxyl, alkoxy, CF3, nitro, phenyl and free, salified, esterified or amidated carboxyl radicals,
or alternatively R11 and R12 form, with the nitrogen atom to which they are attached, a 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7 and preferably a cyclic amine,
it being understood that the products of formula (I) are as defined below from a) to d):

a) when p represents the integer 0, R represents oxygen, R1 represents oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents OCF3 or Salk, A2 represents a single bond or alkyl and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other imidazolylalkyl,

b) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents OCF3, SOAlk, S(O)2alk or SO2NH2, A2 represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other an alkyl chain optionally interrupted with O, S or N-alk always substituted with a hydroxamate -CO-NHOH

c) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents S(O)nAlk, A2 represents a single bond and B2 represents an optionally substituted 5- or 6-membered aromatic heterocyclic radical, then R2 and R3 are not chosen from hydrogen, alkyl, arylalkyl, aryl and heteroaryl,

d) when p represents an integer from 0 to 2, R and R1 represent oxygen, A1 represents a single bond, Y and Y1, which may be identical or different, are such that one

represents SO2Alk or SO2NH2 and the other represents NR5R6, A2 represents a single bond or alkylene and B2 represents an optionally substituted 5- to 10-membered heterocyclic radical, then R2 and R3 do not both represent hydrogen,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Disclosed yet further herein are products of general formula (I) as defined above in which p represents an integer from 0 to 2,

R and R1, which may be identical or different, represent O or NH,

R2 and R3, which may be identical or different, represent hydrogen, alkyl, alkenyl, cycloalkyl, phenyl and heteroaryl, which are optionally substituted, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a carbocyclic or heterocyclic radical, these radicals being from 3- to 10-membered and the heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, all these radicals being optionally substituted,

A1 represents a single bond, an alkyl radical or an allyl or propynyl radical,

Y and Y1, which may be identical or different, are such that one from among Y and Y1 is chosen from OCF3, S(O)nCF3, S(O)nAlk, SO2CHF2, SO2CF2CF3 and SO2NR5R6 and the other from among Y and Y1 is chosen from these same values and in addition from the following values: hydrogen, halogen, hydroxyl, alkoxy, NR5R6, optionally substituted alkyl and phenyl, and optionally substituted pyrazolyl and pyridyl,

with R5 and R6, which may be identical or different, chosen from hydrogen, alkyl, alkenyl, cycloalkyl,

heterocycloalkyl, phenyl and heteroaryl, which are optionally substituted, or alternatively R5 and R6 form, with the nitrogen atom to which they are attached, a 3- to 10-membered heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, which are optionally substituted,

A2, which may be identical to or different than A1, represents the values of A1 and CO and SO2,

B2 represents a saturated or unsaturated heterocyclic radical containing one or more identical or different hetero atoms chosen from O, S, N and NR7, optionally substituted with one or more identical or different substituents chosen from the values of Y2,

R7 represents a hydrogen atom or an alkyl, cycloalkyl or phenyl radical,

Y2 represents hydrogen, halogen, hydroxyl, alkyl, alkoxy, cycloalkyl, heterocycloalkyl, phenyl, heteroaryl, O-cycloalkyl, S(O)n-alk, S(O)n-cycloalkyl, COOR9, OCOR8, NR5R6, CONR5R6, S(O)n-R5R6, NHCOR8 and NH-S(O)nR8, all these radicals being optionally substituted,

all the above alkyl, alkenyl, alkynyl and alkoxy radicals being linear or branched and containing up to 6 carbon atoms,

all the above cycloalkyl and heterocycloalkyl radicals containing up to 7 carbon atoms,

all the above aryl and heteroaryl radicals containing up to 10 carbon atoms,

all the above alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocycloalkyl, aryl and heteroaryl, carbocyclic and heterocyclic radicals being optionally substituted with one or more identical or different radicals chosen from halogen atoms and cyano, hydroxyl, alkoxy, CF3, nitro, phenyl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, N(R10)-C(=O)-NR11R12, -N(R10)-

S(O)n-R8, -S(O)n-R8, -N(R10)-S(O)n-NR11R12 and -S(O)n-NR11R12,

all the aryl and heteroaryl radicals above moreover being optionally substituted with one or more radicals chosen from alkyl and alkylenedioxy radicals,

n represents an integer from 0 to 2,

R8 represents alkyl, cycloalkyl, cycloalkylalkyl, heterocycloalkyl, heterocycloalkylalkyl, phenyl and phenylalkyl,

R9 represents the values of R8 and hydrogen,

R10 represents hydrogen or alkyl,

R11 and R12, which may be identical or different, represent

hydrogen, C1-C4 alkyl and phenyl, optionally substituted with one or more identical or different radicals chosen from halogen atoms and hydroxyl, alkoxy, CF3, nitro, phenyl and free, salified, esterified or amidated carboxyl radicals, or alternatively R11 and R12 form, with the nitrogen atom to which they are attached, a 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7 and preferably a cyclic amine,

it being understood that the products of formula (I) are as defined below from a) to d):

a) when p represents the integer 0, R represents Oxygen, R1 represents Oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents OCF3 or Salk, A2 represents a single bond or alkyl and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent a hydrogen for one and imidazolylalkyl for the other,

b) when p represents the integer 0, R and R1 represent Oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents OCF3, SOAlk, S(O)2alk or SO2NH2, A2

represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent a hydrogen atom for one and, for the other, an alkyl chain optionally interrupted with O, S, N-alk always substituted with a hydroxamate --CO-NHOH,

c) when p represents the integer 0, R and R1 represent Oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that at least one represents S(O)nAlk, A2 represents a single bond and B2 represents an optionally substituted 5- or 6-membered aromatic heterocyclic radical, then R2 and R3 are not chosen from hydrogen, alkyl, arylalkyl, aryl and heteroaryl,

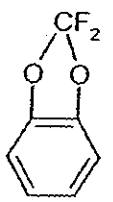
d) when p represents an integer from 0 to 2, R and R1 represent oxygen, A1 represents a single bond, Y and Y1, which may be identical or different, are such that one represents SO2Alk or SO2NH2 and the other represents NR5R6, A2 represents a single bond or alkylene and B2 represents an optionally substituted 5- to 10-membered heterocyclic radical, then R2 and R3 do not both represent hydrogen,

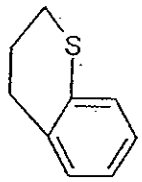
said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Disclosed herein are the products of formula (I) as defined above in which Y and Y1, which may be identical or different, are such that one from among Y and Y1 is chosen from OCF3, -O-CF2-CHF2, -O-CHF2, -O-CH2-CF3, S(O)nCF3, -S-CF2-CF2-CF3, -S(O)n-Alk, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-heterocycloalkyl, -SO2CHF2, -SO2CF2CF3, -SO2NR5R6 and -SF5, with Alk representing an alkyl radical containing from 1 to 4 carbon atoms, and the other from among Y and

Y1 is chosen from the following values: hydrogen, halogen, nitro, NR5R6, free or esterified carboxyl and CONR5R6,

or alternatively the phenyl radical forms with its substituents Y and Y1 one of the following radicals:




the radical thus formed being optionally substituted with one or more alkyl radicals that are themselves optionally substituted,

the other substituents on said products of formula (I) being chosen from the values defined in claim 1 and it being understood that:

a) when p represents the integer 0, R represents oxygen, R1 represents Oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents OCF3 or Salk, A2 represents a single bond or alkyl and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent hydrogen for one and imidazolylalkyl for the other,

b) when p represents the integer 0, R and R1 represent Oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents OCF3, SOAlk, S(O)2alk or SO2NH2, A2 represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent hydrogen for one and, for the other, an alkyl chain optionally interrupted with O, S, N-alk always substituted with a hydroxamate-CO-NHOH,

c) when p represents the integer 0, R and R1 represent Oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one

represents hydrogen and the other represents S(O)nAlk, A2 represents a single bond and B2 represents an optionally substituted 5- or 6-membered aromatic heterocyclic radical, then R2 and R3 are not chosen from hydrogen, alkyl, arylalkyl, aryl and heteroaryl,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Further disclosed herein are the products of general formula (I) as defined above in which one from among Y and Y1 represents a hydrogen atom and the other is chosen from OCF3, S(O)nCF3, S(O)nAlk, SO2CHF2, SO2CF2CF3 and SO2NR5R6,

the other substituents of said products of formula (I) being chosen from the values defined above, it being understood that:

a) when p represents the integer 0, R represents oxygen, R1 represents oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents OCF3 or Salk, A2 represents a single bond or alkyl and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other imidazolylalkyl,

b) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents OCF3, SOAlk, S(O)2alk or SO2NH2, A2 represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other an alkyl chain optionally interrupted with O, S or N-alk always substituted with a hydroxamate -CO-NHOH

c) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents S(O)nAlk, A2 represents a single bond and B2 represents an optionally substituted 5- or 6-membered aromatic heterocyclic radical, then R2 and R3 are not chosen from hydrogen, alkyl, arylalkyl, aryl and heteroaryl,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Yet further disclosed herein are the products of general formula (I) as defined above in which one from among Y and Y1 represents a hydrogen atom and the other is chosen from S(O)nCF3, SOAlk, S(O)2Alk, SO2CHF2, SO2CF2CF3 and SO2NR5R6,

the other substituents of said products of formula (I) being chosen from the values defined above and it being understood that the products of formula (I) are as defined below in a) and b):

a) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents SOAlk, S(O)2alk or SO2NH2, A2 represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other an alkyl chain optionally interrupted with O, S or N-alk always substituted with a hydroxamate -CO-NHOH

b) when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents SOAlk or S(O)2Alk, A2 represents a single bond and B2 represents

an optionally substituted 5- or 6-membered aromatic heterocyclic radical, then R2 and R3 are not chosen from hydrogen, alkyl, arylalkyl, aryl and heteroaryl,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Yet further disclosed herein are the products of general formula (I) as defined above in which one from among Y and Y1 represents a hydrogen atom and the other is chosen from S(O)nCF3, SO2CHF2, SO2CF2CF3 and SO2NR5R6,

the other substituents of said products of formula (I) being chosen from the values defined above and it being understood that when p represents the integer 0, R and R1 represent oxygen, A1 represents a single bond or alkyl, Y and Y1, which may be identical or different, are such that one represents hydrogen and the other represents SO2NH2, A2 represents CH2 and B2 represents an optionally substituted heterocyclic radical, then R2 and R3 do not represent one hydrogen and the other an alkyl chain optionally interrupted by O, S or Nalk, always substituted with a hydroxamate -CO-NHOH

said products of formula (I) being in any possible racemic, enantiomeric and diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

In the products of formula (I) and subsequently, the terms indicated have the following meanings:

- the term "Hal", "Halo" or halogen denotes fluorine, chlorine, bromine or iodine atoms,
- the term "alkyl", "alk", "Alk" or "ALK" denotes a linear or branched radical containing not more than 12 carbon atoms, chosen from methyl, ethyl, propyl,

isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, isopentyl, sec-pentyl, tert-pentyl, neopentyl, hexyl, isohexyl, sec-hexyl, tert-hexyl, heptyl, octyl, nonyl, decyl, undecyl and dodecyl radicals, and also the linear or branched positional isomers thereof.

Mention is made more particularly of alkyl radicals containing not more than 6 carbon atoms, and especially methyl, ethyl, propyl, isopropyl, n-butyl, isobutyl, tert-butyl, linear or branched pentyl and linear or branched hexyl radicals.

- the term "alkenyl radical" denotes a linear or branched radical containing not more than 12 carbon atoms and preferably 4 carbon atoms, chosen, for example, from the following values: ethenyl or vinyl, propenyl or allyl, 1-propenyl, n-butenyl, i-butenyl, 3-methyl-2-butenyl, n-pentenyl, hexenyl, heptenyl, octenyl, cyclohexylbutenyl and decenyl, and also the linear or branched positional isomerers thereof.

Among the alkenyl values that may be mentioned particularly are the values allyl or butenyl.

- the term "alkynyl radical" denotes a linear or branched radical containing not more than 12 carbon atoms and preferably 4 carbon atoms, chosen, for example, from the following values: ethynyl, propynyl or propargyl, butynyl, n-butynyl, i-butynyl, 3-methyl-2-butynyl, pentynyl or hexynyl, and also the linear or branched positional isomers thereof.

Among the alkynyl values that are mentioned more particularly is the propargyl value.

- the term "alkoxy radical" denotes a linear or branched radical containing not more than 12 carbon atoms and preferably 6 carbon atoms chosen, for example, from methoxy, ethoxy, propoxy, isopropoxy, linear, secondary or tertiary butoxy, pentoxy, hexoxy and heptoxy radicals, and also the linear or branched positional isomers thereof,

- the term "alkoxycarbonyl radical" or alkyl-O-CO- denotes a linear or branched radical containing not more than 12 carbon atoms, in which the alkyl radical has the meaning given above: examples that may be mentioned include methoxycarbonyl and ethoxycarbonyl radicals,

- the term "alkylenedioxy radical" or -O-alkylene-O- denotes a linear or branched radical containing not more than 12 carbon atoms, in which the alkylene radical has the meaning given above: examples that may be mentioned include methylenedioxy and ethylenedioxy radicals,

- the term "alkylsulfinyl" or alkyl-SO- denotes a linear or branched radical containing not more than 12 carbon atoms, in which the alkyl radical has the meaning given above and preferably contains 4 carbon atoms,

- the term "alkylsulfonyl" or alkyl-SO2- denotes a linear or branched radical containing not more than 12 carbon atoms, in which the alkyl radical has the meaning given above and preferably contains 4 carbon atoms,

- the term "alkylsulfonylcarbamoyl" or alkyl-SO2-NH-C(=O)- denotes a linear or branched radical containing not more than 12 carbon atoms, in which the alkyl radical has the meaning given above and preferably contains 4 carbon atoms,

- the term "alkylthio" or alkyl-S- denotes a linear or branched radical containing not more than 12 carbon atoms and especially represents methylthio, ethylthio, isopropylthio and heptylthio radicals,

- the term "cycloalkyl radical" denotes a 3- to 10-membered monocyclic or bicyclic carbocyclic radical and especially denotes cyclopropyl, cyclobutyl, cyclopentyl and cyclohexyl radicals,

- the term "-O-cycloalkyl radical" denotes a radical in which the cycloalkyl radical has the meaning given above,

- the term "cycloalkenyl radical" denotes a 3- to 10-membered monocyclic or bicyclic nonaromatic carbocyclic radical containing at least one double bond, and especially denotes cyclobutenyl, cyclopentenyl and cyclohexenyl radicals,

- the term "cycloalkylalkyl radical" denotes a radical in which cycloalkyl and alkyl are chosen from the values indicated above: this radical thus denotes, for example, cyclopropylmethyl, cyclopentylmethyl, cyclohexylmethyl and cycloheptylmethyl radicals,

- the term "acyl radical" or r-CO- denotes a linear or branched radical containing not more than 12 carbon atoms, in which the radical r represents a hydrogen atom or an alkyl, cycloalkyl, cycloalkenyl, cycloalkyl, heterocycloalkyl or aryl radical, these radicals having the values indicated above and being optionally substituted as indicated: examples that are mentioned include the formyl, acetyl, propionyl, butyryl or benzoyl radical, or alternatively valeryl, hexanoyl, acryloyl, crotonoyl or carbamoyl,

- the term "acyloxy radical" means acyl-O- radicals in which acyl has the meaning given above: examples that are mentioned include acetoxy or propionyloxy radicals,

- the term "acylamino radical" means acyl-NH- radicals in which acyl has the meaning given above,

- the term "aryl radical" denotes unsaturated monocyclic radicals or unsaturated radicals consisting of fused carbocyclic rings. Examples of such aryl radicals that may be mentioned include phenyl or naphthyl radicals.

Mention is made more particularly of the phenyl radical.

- the term "arylalkyl" means radicals resulting from the combination of the optionally substituted alkyl radicals mentioned above and the optionally substituted aryl radicals also mentioned above: examples that are

mentioned include benzyl, phenylethyl, 2-phenethyl, triphenylmethyl or naphthalenemethyl radicals,

- the term "heterocyclic radical" denotes a saturated carbocyclic radical (heterocycloalkyl) or unsaturated carbocyclic radical (heteroaryl) which is at least 6-membered, interrupted with one or more hetero atoms, which may be identical or different, chosen from oxygen, nitrogen and sulfur atoms.

Heterocycloalkyl radicals that may especially be mentioned include dioxolane, dioxane, dithiolane, thiooxolane, thiooxane, oxiranyl, oxolanyl, dioxolanyl, piperazinyl, piperidyl, pyrrolidyl, imidazolidinyl, pyrazolidinyl, morpholinyl, or tetrahydrofuryl, tetrahydrothienyl, chromanyl, dihydrobenzofuranyl, indolinyl, piperidyl, perhydropyranyl, pyrindolinyl, tetrahydroquinolyl, tetrahydroisoquinolyl and thioazolidinyl radicals, all these radicals being optionally substituted.

Among the heterocycloalkyl radicals that may especially be mentioned are optionally substituted piperazinyl, optionally substituted piperidyl, optionally substituted pyrrolidinyl, imidazolidinyl, pyrazolidinyl, morpholinyl and thioazolidinyl radicals and thioazolidinyl radicals: mention may be made even more particularly of optionally substituted morpholinyl, pyrrolidinyl and piperazinyl radicals;

- the term "heterocycloalkylalkyl radical" means radicals in which the heterocycloalkyl and alkyl residues have the above meanings;

- among the 5-membered heteroaryl radicals that may be mentioned are furyl radicals such as 2-furyl, thienyl radicals such as 2-thienyl and 3-thienyl, and pyrrolyl, diazolyl, thiazolyl, thiadiazolyl, thiatriazolyl, isothiazolyl, oxazolyl, oxadiazolyl, 3- or 4-isoxazolyl, imidazolyl, pyrazolyl and isoxazolyl radicals.

Among the 6-membered heteroaryl radicals that may especially be mentioned are pyridyl radicals such as 2-pyridyl, 3-pyridyl and 4-pyridyl, and pyrimidyl, pyrimidinyl, pyridazinyl, pyrazinyl and tetrazolyl radicals;

- as fused heteroaryl radicals containing at least one hetero atom chosen from sulfur, nitrogen and oxygen, examples that may be mentioned include benzothienyl such as 3-benzothienyl, benzofuryl, benzofuranyl, benzopyrrolyl, benzimidazolyl, benzoxazolyl, thionaphthyl, indolyl, purinyl, quinolyl, isoquinolyl and naphthyridinyl.

Among the fused heteroaryl radicals that may be mentioned more particularly are benzothienyl, benzofuranyl, indolyl, quinolyl, benzimidazolyl, benzothiazolyl, furyl, imidazolyl, indolizinyl, isoxazolyl, isoquinolyl, isothiazolyl, oxadiazolyl, pyrazinyl, pyridazinyl, pyrazolyl, pyridyl, pyrimidinyl, pyrrolyl, quinazolinyl, 1,3,4-thiadiazolyl, thiazolyl and thienyl radicals and triazolyl groups, these radicals optionally being substituted as indicated for the heteroaryl radicals;

- the term "cyclic amine" denotes a 3- to 8-membered cycloalkyl radical in which one carbon atom is replaced with a nitrogen atom, the cycloalkyl radical having the meaning given above and also possibly containing one or more other hetero atoms chosen from O, S, SO2, N and NR7 with R7 as defined above; examples of such cyclic amines that may be mentioned include pyrrolidyl, piperidyl, morpholinyl, piperazinyl, indolinyl, pyrindolinyl and tetrahydroquinolyl radicals.

The term "patient" denotes human beings, but also other mammals.

The term "prodrug" denotes a product that may be converted in vivo via metabolic mechanisms (such as hydrolysis) into a product of formula (I). For example,

an ester of a product of formula (I) containing a hydroxyl group may be converted by hydrolysis in vivo into its parent molecule. Alternatively, an ester of a product of formula (I) containing a carboxyl group may be converted by in vivo hydrolysis into its parent molecule.

Examples of esters of the products of formula (I) containing a hydroxyl group that may be mentioned include the acetates, citrates, lactates, tartrates, malonates, oxalates, salicylates, propionates, succinates, fumarates, maleates, methylenebis-β-hydroxynaphthoates, gentisates, isethionates, di-p-tolyltartrates, methanesulfonates, ethanesulfonates, benzenesulfonates, p-toluenesulfonates, cyclohexylsulfamates and quinates.

Esters of products of formula (I) that are particularly useful, containing a hydroxyl group, may be prepared from acid residues such as those described by Bundgaard et. al., J. Med. Chem., 1989, 32, page 2503-2507: these esters especially include substituted (aminomethyl)benzoates, dialkylaminomethylbenzoates in which the two alkyl groups may be linked together or may be interrupted with an oxygen atom or with an optionally substituted nitrogen atom, ie. an alkylated nitrogen atom, or alternatively (morpholinomethyl)benzoates, eg. 3- or 4-(morpholinomethyl)benzoates, and (4-alkyl-piperazin-1-yl)benzoates, eg. 3- or 4-(4-alkylpiperazin-1-yl)benzoates.

The carboxyl radical(s) of the products of formula (I) may be salified or esterified with various groups known to those skilled in the art, among which nonlimiting examples that may be mentioned include the following compounds:

- among the salification compounds, mineral bases such as, for example, one equivalent of sodium, potassium, lithium, calcium, magnesium or ammonium, or organic bases such as, for example, methylamine, propylamine, trimethylamine, diethylamine, triethylamine,

N,N-dimethylethanolamine, tris(hydroxymethyl)aminomethane, ethanolamine, pyridine, picoline, dicyclohexylamine, morpholine, benzylamine, procaine, lysine, arginine, histidine or N-methylglucamine,

- among the esterification compounds, alkyl radicals to form alkoxycarbonyl groups such as, for example, methoxycarbonyl, ethoxycarbonyl, tert-butoxycarbonyl or benzyloxycarbonyl, these alkyl radicals possibly being substituted with radicals chosen, for example, from halogen atoms and hydroxyl, alkoxy, acyl, acyloxy, alkylthio, amino or aryl radicals, such as, for example, in chloromethyl, hydroxypropyl, methoxymethyl, propionyloxymethyl, methylthiomethyl, dimethylaminoethyl, benzyl or phenethyl groups.

The term "esterified carboxyl" means, for example, radicals such as alkyloxycarbonyl radicals, for example methoxycarbonyl, ethoxycarbonyl, propoxycarbonyl, butyl or tert-butyloxycarbonyl, cyclobutyloxycarbonyl, cyclopentyloxycarbonyl or cyclohexyloxycarbonyl.

Mention may also be made of radicals formed with readily cleavable ester residues, such as methoxymethyl or ethoxymethyl radicals; acyloxyalkyl radicals such as pivaloyloxymethyl, pivaloyloxyethyl, acetoxymethyl or acetoxyethyl; alkyloxycarbonyloxyalkyl radicals such as methoxycarbonyloxy methyl or ethyl radicals, and isopropyloxycarbonyloxy methyl or ethyl radicals.

A list of such ester radicals may be found, for example, in European patent EP 0 034 536.

The term "amidated carboxyl" means radicals of the type -CONR5R6 as defined above: also intended are the radicals NCOR6R7 in which the radicals R6 and R7, which may be identical or different, represent a hydrogen atom or an alkyl radical containing from 1 to 4 carbon atoms such as methyl, ethyl, propyl, isopropyl, butyl, isobutyl, sec-butyl or tert-butyl radicals and especially amino, alkylamino and dialkylamino radicals.

The term "alkylamino radical" means linear or branched methylamino, ethylamino, propylamino or butylamino radicals. Alkyl radicals containing not more than 4 carbon atoms are preferred, the alkyl radicals possibly being chosen from the alkyl radicals mentioned above.

The term "dialkylamino radical" means, for example, dimethylamino, diethylamino and methylthylamino radicals. As previously, alkyl radicals containing not more than 4 carbon atoms, chosen from the list indicated above, are preferred.

The radicals NR5R6 or NR6R7 may also represent a heterocycle which may or may not comprise an additional hetero atom. Mention may be made of pyrrolyl, imidazolyl, indolyl, piperidyl, morpholinyl and piperazinyl radicals. The piperidyl, morpholinyl and piperazinyl radicals are preferred.

The term "salified carboxyl" means the salts formed, for example, with one equivalent of sodium, potassium, lithium, calcium, magnesium or ammonium. Mention may also be made of the salts formed with organic bases such as methylamine, propylamine, trimethylamine, diethylamine and triethylamine. The sodium salt is preferred.

When the products of formula (I) comprise an amino radical that may be salified with an acid, it is clearly understood that these acid salts also form part of the invention. Mention may be made of the salts obtained, for example, with hydrochloric acid or methanesulfonic acid.

The addition salts with mineral or organic acids of the products of formula (I) may be, for example, the salts formed with hydrochloric acid, hydrobromic acid, hydriodic acid, nitric acid, sulfuric acid, phosphoric acid, propionic acid, acetic acid, trifluoroacetic acid, formic acid, benzoic acid, maleic acid, fumaric acid, succinic acid, tartaric acid, citric acid, oxalic acid, glyoxylic acid, aspartic acid, ascorbic acid,

alkylmonosulfonic acids such as, for example, methanesulfonic acid, ethanesulfonic acid or propanesulfonic acid, alkyldisulfonic acids such as, for example, methanedisulfonic acid or α,β-ethanedisulfonic acid, arylmonosulfonic acids such as benzenesulfonic acid, and aryldisulfonic acids.

It may be recalled that stereoisomerism may be defined in its broad sense as the isomerism of compounds having the same structural formulae but whose various groups are arranged differently in space, especially such as in monosubstituted cyclohexanes whose substituent may be in an axial or equatorial position, and the various possible rotational conformations of ethane derivatives. However, there is another type of stereoisomerism, due to the different spatial arrangements of fixed substituents, either on double bonds or on rings, which is often referred to as geometrical isomerism or cis-trans isomerism. The term "stereoisomer" is used in the present patent application in its broadest sense and thus relates to all the compounds indicated above.

A subject of the invention is especially the products of formula (I) as defined above in which one from among Y and Y1 represents a hydrogen atom and the other is chosen from S(O)nCF3, SO2CHF2 and SO2CF2CF3, the other substituents of said products of formula (I) being chosen from the values defined above,
said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

A subject of the invention is especially the products of formula (I) as defined above such that all the alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl or heteroaryl radicals defined above are optionally substituted with one or more radicals, which

may be identical or different, chosen from halogen, cyano, hydroxyl, alkoxy, CF3, nitro, phenyl, carboxyl which is free, salified, esterified with an alkyl radical or amidated with a radical NR11aR12a, -C(=O)-R9a, -NR11aR12a, -C(=O)-NR11aR12a, -N(R10a)-C(=O)-R9a, -N(R10a)-C(=O)-OR8a, N(R10a)-C(=O)-NR11aR12a, -N(R10a)-S(O)n-R9a, -S(O)n-R9a, -N(R10a)-S(O)n-NR11aR12a or -S(O)n-NR11aR12a,

all the aryl and heteroaryl radicals above furthermore being optionally substituted with an ethylenedioxy radical,

R8a represents hydrogen, alkyl, alkenyl, phenyl, phenylalkyl, heteroaryl or heteroarylalkyl,

R9a represents alkyl, cycloalkyl, cycloalkylalkyl, heterocycloalkyl, heterocycloalkylalkyl, phenyl, phenylalkyl, heteroaryl or heteroarylalkyl,

R10a represents hydrogen or alkyl,

R11a and R12a, which may be identical or different represent

hydrogen, alkyl, cycloalkyl, cycloalkylalkyl, phenyl, phenylalkyl, optionally substituted with one or more substituents, which may be identical or different, chosen from halogen, hydroxyl, C1-C4 alkyl or C1-C4 alkoxy, or alternatively R11a and R12a form, with the nitrogen atom to which they are attached, a cyclic radical chosen from pyrrolidyl, piperidyl, piperazinyl, morpholinyl, indolinyl, pyrindolinyl, tetrahydroquinolyl, thiazolidinyl and naphthyridyl,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

A subject of the invention is especially the products of formula (I) as defined above in such that p represents the integer 0, the other substituents of said

products of formula (I) each having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that p represents the integer 1, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that p represents the integer 2, the other substituents of said products of formula (I) having the values defined in the present invention.

A subject of the invention is especially the products of formula (I) as defined above such that R1 represents 0, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R represents 0, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R2 and R3, which may be identical or different, represent hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, phenyl, phenylalkyl, heterocycloalkyl, heterocycloalkylalkyl, heteroaryl and heteroarylalkyl, which are optionally substituted, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a carbocyclic or heterocyclic radical, these radicals being 3- to 10-membered and the heterocyclic radical containing one or more hetero atoms chosen from O, S, N and NR7b, all these radicals being optionally substituted,

all the above radicals being optionally substituted with one or more radicals chosen from halogen, cyano, hydroxyl, alkyl and alkoxy containing 1 to 4 carbon

atoms, CF3, nitro, phenyl, carboxy which is free, salified, esterified with an alkyl radical or amidated with a radical NR11bR12b, -C(=O)-R9b, -NR11bR12b and -C(=O)-NR11bR12b,

R7b represents a hydrogen atom, an alkyl radical or a phenyl radical,

R9 represents hydrogen, alkyl, cycloalkyl, cycloalkylalkyl or phenyl,

R11b and R12b, which may be identical or different, represent

hydrogen, alkyl, cycloalkyl or phenyl, or alternatively R11b and R12b form, with the nitrogen atom to which they are attached, an optionally substituted piperazinyl radical,

the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R2 and R3, which may be identical or different, are chosen from hydrogen, alkyl, phenylalkyl, pyridylalkyl and benzothienylalkyl, which are optionally substituted with one or more radicals chosen from halogen atoms and hydroxyl, alkyl and alkoxy radicals containing from one to 4 carbon atoms, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a 3- to 6-membered cycloalkyl or heterocycloalkyl radical containing a nitrogen atom, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R2 and R3, which may be identical or different, are chosen from hydrogen, alkyl, hydroxyalkyl, phenylalkyl, hydroxyphenylalkyl, pyridylalkyl, benzothienylalkyl or thienylbenzothienylalkyl, or alternatively R2 and R3 form, together with the carbon atom to which they are

attached, a cycloalkyl radical containing from 3 to 6 carbon atoms or an azetidinyl, pyrrolidyl or piperidyl radical,

the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R2 and R3, which may be identical or different, are chosen from hydrogen, alkyl, hydroxyalkyl, phenylalkyl and hydroxyphenylalkyl, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a cycloalkyl radical containing from 3 to 6 carbon atoms.

A subject of the invention is especially the products of formula (I) as defined above such that one from among R2 and R3 is chosen from hydrogen and alkyl, and the other from among R2 and R3 is chosen from all the values of R2 and R3, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a cycloalkyl radical containing from 3 to 6 carbon atoms, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R2 and R3, which may be identical or different, represent hydrogen and alkyl, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a cycloalkyl radical containing from 3 to 6 carbon atoms, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that R2 and R3, which may be identical or different, represent hydrogen and CH3, or alternatively R2 and R3 form, together with the carbon atom to which they are attached, a cyclopropyl radical, the other substituents of said

products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that A1 represents a single bond and A2 is chosen from a single bond, a linear or branched alkyl radical containing not more than 6 carbon atoms and allyl, propynyl, C=O and SO2 radicals, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined in the present invention such that A1 represents a single bond and A2 is chosen from a single bond or alkyl, allyl, propynyl, C=O and SO2 radicals, the other substituents of said products of formula (I) having the values defined above.

One subject of the invention is especially the products of formula (I) as defined above such that A1 represents a single bond and A2 is chosen from alkyl, allyl, propynyl, C=O and SO2 radicals, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that A1 represents a single bond and A2 represents un alkyl or C=O radical, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that A1 represents a single bond and A2 represents C=O, -CH2-CH2- or -CH2, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that A1 represents a single bond and A2 represents -CH2, the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above in which Y and Y1 are such that one represents a hydrogen atom, a halogen atom or an amino radical and the other is chosen from -OCF3, -O-CF2-CHF2, -O-CHF2, -O-CH2-CF3, -SF5, -S(O)n-CF3, -S(O)n-Alk, -SO2CHF2, SO2CF2CF3, -SO2NH2, -S-CF2-CF2-CF3, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-morpholino, -S-Alk-pyrrolidinyl and -S-Alk-piperazinyl, the morpholino, pyrrolidinyl and piperazinyl radicals being optionally substituted with Alk, with Alk representing an alkyl radical containing from 1 to 4 carbon atoms,
the other substituents of said products of formula (I) being chosen from the values defined in the present invention.

A subject of the invention is especially the products of formula (I) as defined above such that Y represents a hydrogen atom and Y1 is chosen from -OCF3, S(O)n-CF3, S(O)n-CH3, SO2CHF2 and SO2NH2,
the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that Y represents a hydrogen atom and Y1 is chosen from -OCF3, S(O)n-CF3 and SO2CHF2,
the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that Y represents a hydrogen atom and Y1 is chosen from -OCF3 and S(O)n-CF3,
the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that Y

represents a hydrogen atom and Y1 is chosen from -OCF3, S-CF3 and S(O)2-CF3,
the other substituents of said products of formula (I) having any one of the values defined above.

One subject of the invention is especially the products of formula (I) as defined above in which B2 represents a monocyclic or bicyclic heteroaryl radical chosen from pyridyl, pyrimidinyl, quinolyl, azaindolyl, 1H-pyrrolo[2,3-b]pyridinyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl, isoxazolyl, morpholinyl, pyrrolidinyl, furyl, piperidyl, thienyl, chromenyl, oxochromenyl, indolyl, pyrrolyl, purinyl, benzoxazinyl, benzimidazolyl and benzofuranyl radicals, these radicals being optionally substituted with one or more radicals chosen from the values of Y2,
the other substituents of said products of formula (I) having the values defined for the products of formula (I).

A subject of the invention is especially the products of formula (I) as defined above such that B2 represents a heteroaryl radical chosen from
3- or 4-pyridyl, 3- or 4-quinolyl, imidazolyl, thiazolyl, indolyl, pyrazolyl, pyrrolyl, pyrimidyl, purinyl, benzoxazinyl, benzimidazolyl and benzofuranyl radicals, these radicals being optionally substituted with one or more radicals chosen from the values of Y2,
the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that B2 represents a heteroaryl radical chosen from
4-pyridyl, 4-quinolyl, imidazolyl, thiazolyl, pyrazolyl, pyrrolyl, pyrimidyl and purinyl radicals, these radicals being optionally substituted with one or more radicals chosen from the values of Y2,

the other substituents of said products of formula (I) having any one of the values defined above.

In particular in the products of formula (I), B2 represents a heteroaryl radical chosen from 3- or 4-pyridyl, pyrimidinyl, 3- or 4-quinolyl, azaindolyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl and isoxazolyl radicals,

these radicals being optionally substituted with one or more radicals chosen from the values of Y2,

the other substituents on said products of formula (I) having the values defined in the present invention.

In particular in the products of formula (I), B2 represents a heteroaryl radical chosen from 3- or 4-pyridyl, pyrimidinyl, 3- or 4-quinolyl, azaindolyl and quinazolyl radicals, these radicals being optionally substituted with one or more radicals chosen from the values of Y2,

the other substituents on said products of formula (I) having the values defined in the present invention.

A subject of the invention is the products of formula (I) as defined in the present invention such that B2 represents the 4-pyridyl and 4-quinolyl, 1H-pyrrolo[2,3-b]pyridine-4-yl radicals, optionally substituted with one or more radicals chosen from the values of Y2 defined in the present invention,

the other substituents of said products of formula (I) having any one of the values defined in the present invention.

In particular in the products of formula (I) of the present invention, Y2 may represent the 2-amino-4-pyridyl radical in which the amino radical is optionally substituted as indicated for the radical NR5R6 as defined above or below and in the experimental section, the other substituents on said products of formula (I) possibly

taking the values as defined in the present invention for said substituents.

In particular, the products of formula (I) of the present invention are such that Y2 represents hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, COOH, COOAlk, CONR5R6, NR5R6, -NR10-COOR6, -NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or -NR10-SO2-R6, all these radicals being optionally substituted,

R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, cycloalkyl, phenyl and 5- or 6-membered heteroaryl radicals containing 1 to 3 hetero atoms chosen from O, N and S, all these radicals being optionally substituted, or alternatively R5 and R6 form, with the nitrogen atom to which they are attached, an optionally substituted pyrrolidinyl, piperidyl, piperazinyl, morpholinyl or quinazolinyl radical,

R10 represents hydrogen or alkyl,

all the above alkyl, alkoxy, cycloalkyl and phenyl radicals, and also the ring formed by R5 and R6 with the atom to which they are attached, being optionally substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and the following radicals: cyano; hydroxyl; alkyl; alkoxy; OCF3; CF3; S(O)n-CF3; nitro; oxo; thioxo; OCOAlk; phenyl, itself optionally substituted with one or more radicals chosen from halogen atoms and alkyl and alkoxy radicals; -OCOAlk; NH2, NHAlk, N(Alk)2, N(alk)(phenylalkyl), N(Alk)(aminoalkyl), N(Alk)(alkylaminoalkyl), N(Alk)(dialkylaminoalkyl); carboxyl, free or esterified with an alkyl radical,

all the above phenyl radicals moreover being optionally substituted with an alkylenedioxy radical,

all the above alkyl radicals moreover being optionally substituted with one or more saturated or partially unsaturated, 4- to 7-membered heterocyclic radicals

containing at least one nitrogen atom N and also 0 to 2 other hetero atoms chosen from O, N and S,
all the pyrrolidinyl and quinazolinyl radicals above moreover being optionally substituted with oxo or thioxo,
all the above alkyl and alkoxy radicals being linear or branched and containing up to 6 carbon atoms,
all the above cycloalkyl radicals containing up to 7 carbon atoms,
the other substituents on said products of formula (I) having the values defined above.

In particular, R5 and R6 may represent the following heteroaryl radicals: pyridyl, pyrazinyl, pyrimidinyl, thienyl, thiazolyl and oxazolyl, all these radicals being optionally substituted.

In particular in the products of formula (I) of the present invention, the alkyl radicals may be substituted with heterocyclic radicals chosen from the following radicals: thiomorpholin-4-yl, thiazolidin-3-yl, azetidin-1-yl, piperazinyl, imidazolyl, morpholinyl, pyrrolidinyl, piperidyl and azepanyl radicals, all these radicals being optionally substituted as indicated above and especially with one or more radicals chosen from alkyl, hydroxyalkyl, oxo, pyridyl and phenyl optionally substituted with one or more radicals chosen from halogen atoms and alkyl, hydroxyl, alkoxy, CN, carboxyl or amino radicals, which are themselves optionally substituted.

Mention may be made, for example, of piperazinyl radicals optionally substituted with Alk, Alk-OH, pyridyl or phenyl, itself optionally substituted with one or more radicals chosen from halogen atoms and alkyl, hydroxyl, alkoxy, CN, carboxyl and amino radicals, which are themselves optionally substituted; piperidyl optionally

substituted with one or two Alk; azepanyl optionally substituted with oxo.

One subject of the present invention is the products of formula (I) as defined above such that Y2 represents hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, CONR5R6, NR5R6, -NR10-COOH, -NR10-COOAlk, -NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or -NR10-SO2-R6,

R5 and R6, which may be identical or different, are chosen from hydrogen; alkyl; cycloalkyl; phenyl; pyrimidinyl; thienyl; pyridyl; quinolyl; thiazolyl optionally substituted with one or two halogen atoms; pyran optionally substituted with one or more OCOAlk; phenyl substituted with one or more radicals chosen from halogen atoms and alkyl, alkoxy, amino, alkylamino, dialkylamino and carboxyl which is free or esterified with an alkyl radical; alkyl substituted with phenyl, which is itself optionally substituted with one or more radicals chosen from halogen atoms, alkyl, alkoxy, amino, alkylamino, dialkylamino and carboxyl, which is free or esterified with an alkyl radical; alkyl substituted with piperazinyl, which is itself optionally substituted with one or more radicals chosen from Alk, Alk-OH and pyridyl; alkyl substituted with imidazolyl; alkyl substituted with one or more radicals chosen from NH2, NHAlk, N(Alk)2, N(alk)(phenylalkyl), N(Alk)(aminoalkyl), N(Alk)(alkyl-aminoalkyl) and N(Alk)(dialkylaminoalkyl); alkyl substituted with morpholinyl, which is optionally substituted with one or two Alk; alkyl substituted with pyrrolidinyl; alkyl substituted with piperidyl, which is itself optionally substituted with one or two Alk; alkyl substituted with thiomorpholinyl; alkyl substituted with azetidinyl; alkyl substituted with azepanyl, which is itself optionally substituted with oxo,

or alternatively R5 and R6 form, with the nitrogen atom to which they are attached, a pyrrolidinyl; piperidyl; piperazinyl; morpholinyl; or quinazolinyl radical, all these radicals being optionally substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and alkyl, hydroxyl and alkoxy radicals and phenyl, which is itself optionally substituted with one or more radicals chosen from halogen atoms and alkyl and alkoxy radicals,

the pyrrolidinyl and quinazolinyl radicals moreover being optionally substituted with oxo or thioxo,

the piperazinyl radical itself being optionally substituted with one or more radicals chosen from Alk, Alk-OH and pyridyl,

R10 represents hydrogen or alkyl,

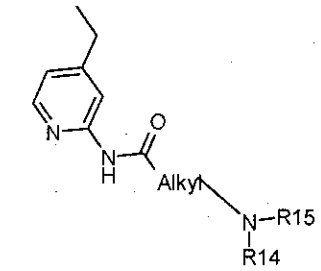
all the above alkyl or Alk and alkoxy radicals being linear or branched and containing up to 6 carbon atoms,

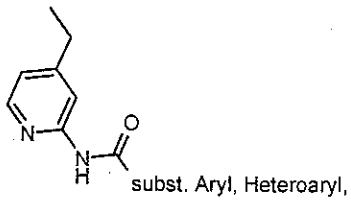
all the above cycloalkyl radicals containing up to 7 carbon atoms,

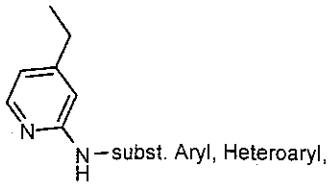
all the phenyl radicals moreover being optionally substituted with a radical chosen from CF3, -OCF3, nitro and alkylenedioxy,

the other substituents on said products of formula (I) having any of the values defined above.

Among the preferred structures of the present invention, mention may be made of the products of formula (I) whose three structures are given below, in which the values of NR14R15 are chosen from the values of NR5R6 and the values of the Alkyl, Aryl and Heteroaryl radicals are chosen from the values of the alkyl, aryl and heteroaryl radicals as defined above and optionally substituted as defined in the present invention.




A subject of the invention is especially the products of formula (I) as defined above such that B2 represents 4-pyridyl and 4-quinolyl radicals, optionally substituted with one or more radicals chosen from the values of Y2,

the other substituents on said products of formula (I) having any of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that Y2 represents V1, halogen, hydroxyl, -C(=NH)NH2, OV1, O-CO-V1, COOV1, COV1, CO-NV1V2, -NV1V2, -NH-CO-V1, -NH-COO-V1, -NH-NH-CO-V1, -NV1-CO-NV1V2, -NV1-CO-NHV1, -NH-CO-NHV1, -NH-SO2-NHV1 and -NH-SO2-V1,

in which V1 and V2, which may be identical or different, represent a hydrogen atom, an alkyl, cycloalkyl or phenyl radical or a heterocyclic radical such as pyridyl, pyrazolyl, imidazolyl, dihydroimidazolyl, tetrazolyl, morpholinyl, piperazinyl, piperazinylalkyl, alkylpiperazinyl, phenylpiperazinyl, thienyle, furanyl, piperidyl, methylpiperidyl, pyridyl, pyrrolidyl and pyrrolidylalkyl,

all the alkyl, phenyl and heterocyclic radicals being optionally substituted with one or more radicals chosen from halogen atoms and hydroxyl, alkyl, alkoxy, CF3, NH2, NHalk, N(alk)2 radicals and a phenyl radical, itself optionally substituted with one or more substituents chosen from halogen atoms and hydroxyl or alkoxy radicals,

all the phenyl and heterocyclic radicals above furthermore being optionally substituted with one or more alkyl radicals,

the phenyl radicals furthermore being optionally substituted with NR5R6 in which R5 and R6 are as defined above,

the other substituents of said products of formula (I) having any one of the values defined above.

A subject of the invention is especially the products of formula (I) as defined above such that Y2 represents hydrogen, halogen, alkyl, cycloalkyl, hydroxyl, alkoxy, carboxyl which is free or esterified with an alkyl or phenyl radical, NH2, NHalk, N(alk)2 and phenyl,

all the alkyl, alkoxy and phenyl radicals being optionally substituted with one or more radicals chosen from halogen atoms and hydroxyl, C1-C4 alkyl, C1-C4 alkoxy, CF3, NH2, NHalk and N(alk)2 radicals and a phenyl radical, which is itself optionally substituted with one or more substituents chosen from halogen atoms and hydroxyl or alkoxy radicals,

all the phenyl radicals furthermore being optionally substituted with one or more C1-C4 alkyl radicals and optionally substituted with NR5R6 in which R5 and R6 are as defined above,

the other substituents of said products of formula (I) having any one of the values defined above.

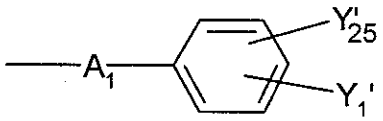
A subject of the invention is especially the products of formula (I) as defined above such that Y2 represents hydrogen, F, Cl, CH3, CH2CH3, OH, OCH3, NH2, NHAlk and phenyl optionally substituted with NR5R6 in which R5 and R6 are as defined above,

the other substituents of said products of formula (I) having any one of the values defined above.

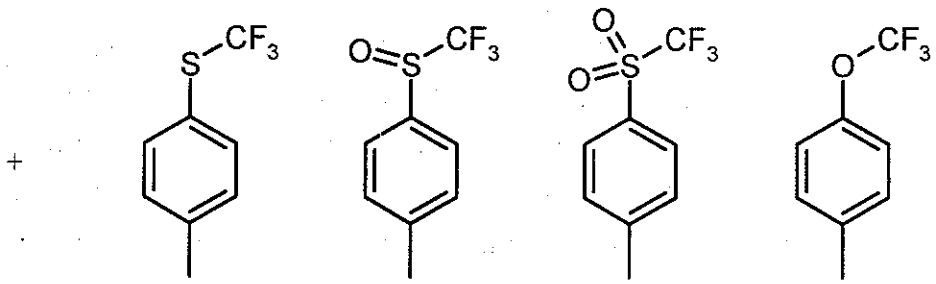
A subject of the invention is especially the products of formula (I) as defined above such that B2

represents 4-pyridyl and 4-quinolyl radicals substituted with one or two radicals chosen from F, Cl, OH and OCH3, the other substituents of said products of formula (I) having any one of the values defined above.

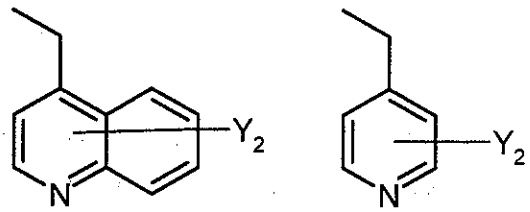
In certain products of formula (I) of the present invention, the following group:



may especially represent the following radicals:

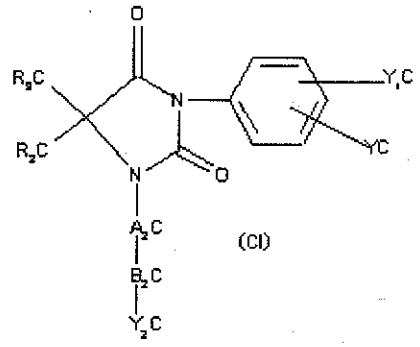


In the products of formula (I) of the present invention, the group -A2-B2-Y2 may especially represent the following radicals:



In the products of formula (I) of the present invention, R2 and R3 may especially form together a cycloalkyl or heterocycloalkyl radical, or alternatively, identical or different, may especially represent hydrogen and methyl radicals.

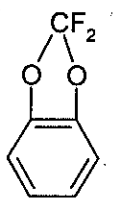
Products of formula (I) as defined above corresponding to formula (CI):

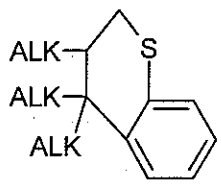



(CI)

in which YC and Y1C are such that one represents a hydrogen atom, a halogen atom or an amino radical and the other is chosen from -OCF3, -O-CF2-CHF2, -O-CHF2, -O-CH2-CF3, -SF5, -S(O)n-CF3, -S(O)n-Alk, -SO2CHF2, SO2CF2CF3, -SO2NH2, -S-CF2-CF2-CF3, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-morpholino, -S-Alk-pyrrolidinyl and -S-Alk-piperazinyl, the morpholino, pyrrolidinyl and piperazinyl radicals being optionally substituted with Alk, with Alk representing an alkyl radical containing from 1 to 4 carbon atoms,

or the phenyl radical forms with its substituents YC and Y1C one of the following two radicals:




R2C and R3C, which may be identical or different, represent hydrogen or optionally substituted alkyl, or alternatively R2C and R3C form, together with the carbon atom to which they are attached, a C3-C10 cycloalkyl or heterocycloalkyl radical,

A2C represents a single bond or CH2,

B2C represents pyridyl, pyrimidinyl, quinolyl, azaindolyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl, isoxazolyl, morpholinyl, pyrrolidinyl, furyl,

piperidyl, chromenyl, oxochromenyl, quinazolyl, thienyl, indolyl, pyrrolyl, purinyl, benzoxazinyl, benzimidazolyl and benzofuranyl radicals, optionally substituted with one or more radicals chosen from the values of Y2A,

Y2CA represents hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, COOH, COOAlk, CONR5R6, NR5R6, -NR10-COOH, -NR10-COOAlk, -NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or -NR10-SO2-R6, all these radicals being optionally substituted,

R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, cycloalkyl, phenyl, pyrimidinyl, thienyl, pyridyl, quinolyl, thiazolyl and pyran, all these radicals being optionally substituted, or alternatively R5 and R6 form, with the nitrogen atom to which they are attached, an optionally substituted pyrrolidinyl, piperidyl, piperazinyl, morpholinyl or quinazolinyl radical,

R10 represents hydrogen or alkyl,

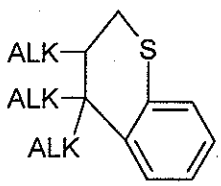
all the above alkyl, Alk or ALK, alkoxy, cycloalkyl and phenyl radicals, and also the ring formed by R5 and R6 with the atom to which they are attached, being optionally substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and cyano; hydroxyl; alkyl; alkoxy; OCF3; CF3; S(O)n-CF3; nitro; oxo; thioxo; OCOAlk; phenyl, itself optionally substituted with one or more radicals chosen from halogen atoms and alkyl and alkoxy radicals; -OCOAlk; NH2, NHAlk, N(Alk)2, N(alk)(phenylalkyl), N(Alk)(aminoalkyl), N(Alk)(alkylaminoalkyl), N(Alk)(dialkylaminoalkyl); carboxyl, which is free or esterified with an alkyl radical,

all the above phenyl radicals moreover being optionally substituted with an alkylenedioxy radical,

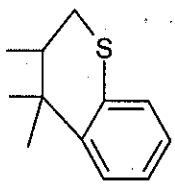
all the above alkyl radicals moreover being optionally substituted with one or more radicals chosen from the

following radicals: piperazinyl, which is itself optionally substituted with Alk, Alk-OH and pyridyl; imidazolyl; morpholinyl; pyrrolidinyl; piperidyl, which is itself optionally substituted with one or two alk; azepanyl, optionally substituted with oxo,
all the pyrrolidinyl and quinazolinyl radicals above moreover being optionally substituted with oxo or thioxo,
all the above alkyl and alkoxy radicals being linear or branched and containing up to 6 carbon atoms,
all the above cycloalkyl radicals containing up to 7 carbon atoms,
n represents an integer from 0 to 2,
said products of formula (CI) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (CI).

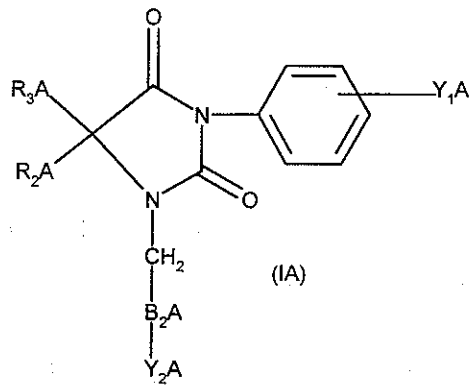
In particular in the products of formula (I), the radical below that may be formed by phenyl with its substituents Y and Y1:




may represent the following radical:




A subject of the present invention is especially the products of formula (I) as defined above and corresponding to formula (IA):




(IA)

in which:

Y1A represents -OCF3, S(O)n-CF3 and SO2CHF2,

B2a represents 4-quinolyl and 4-pyridyl radicals optionally substituted with one or more radicals chosen from the values of Y2A,

Y2A has the meaning given above for Y2,

R2A and R3A, which may be identical or different, represent hydrogen or optionally substituted alkyl, or alternatively R2A and R3A form, together with the carbon atom to which they are attached, a C3-C10 cycloalkyl or heterocycloalkyl radical,

all the alkyl and phenyl radicals being optionally substituted with one or more radicals chosen from halogen, OH, alk, Oalk, OCF3, S(O)n-CF3, CF3, NH2, NHAlk and N(alk)2,

n represents an integer fom 0 to 2,

said products of formula (IA) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IA).

A subject of the present invention is especially the products of formula (IA) as defined above in which Y1A, B2a, R2A and R3A have the meanings given above and Y2A represents halogen, -OH, -alk, Oalk, -Oacyl, -NR5AR6A, -CO2H, -CO2alk, -CO-NR5AR6A, -S(O)n-CF3, -NH-S(O)n-CF3 or phenyl radicals, alk representing a linear or branched

alkyl radical containing not more than 6 carbon atoms, all the alkyl, alkoxy and phenyl radicals being optionally substituted,

R5A and R6A, which may be identical or different, represent hydrogen, alkyl, cycloalkyl or phenyl, the alkyl and phenyl radicals being optionally substituted, or alternatively R5A and R6A form, with the nitrogen atom to which they are attached, a cyclic radical chosen from pyrrolidyl, piperidyl, piperazinyl, morpholinyl, indolinyl, pyrindolinyl, tetrahydroquinolyl and azetidinyl radicals,

all the alkyl, alkoxy and phenyl radicals being optionally substituted with one or more radicals chosen from halogen, OH, alk, Oalk, OCF3, S(O)n-CF3, CF3, NH2, NHAlk and N(alk)2,

n represents an integer from 0 to 2,

said products of formula (IA) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IA).

A subject of the present invention is especially the products of formula (IA) as defined above in which:

Y1A represents -OCF3, SCF3 or S(O)2-CF3,

B2a represents a 4-quinolyl or 4-pyridyl radical optionally substituted with one or two radicals chosen from halogen, -OH, alk, -Oalk, -CO2H, -CO2alk, -NR5AR6A, -CF3, -OCF3 and optionally substituted phenyl,

R5A and R6A, which may be identical or different, represent hydrogen, alkyl, cycloalkyl or phenyl, the alkyl and phenyl radicals being optionally substituted, or alternatively R5A and R6A form, with the nitrogen atom to which they are attached, a cyclic radical chosen from pyrrolidyl, piperidyl, piperazinyl, morpholinyl, piperazinyl and azetidinyl radicals,

R2A and R3A, which may be identical or different, represent hydrogen or optionally substituted alkyl, or alternatively R2A and R3A form, together with the carbon atom to which they are attached, a C3-C6 cycloalkyl or heterocycloalkyl radical,

all the alkyl and phenyl radicals being optionally substituted with one or more radicals chosen from halogen, OH, alk, Oalk, OCF3, S(O)n-CF3, CF3, NH2, NHalk and N(alk)2,

said products of formula (IA) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IA).

A subject of the present invention is especially the products of formula (IA) as defined above corresponding to formule (IA) in which:

Y1A represents -OCF3, SCF3 or S(O)2-CF3,

B2a represents a 4-quinolyl or 4-pyridyl radical optionally substituted with one or two radicals chosen from halogen, -OH, alk and -Oalk,

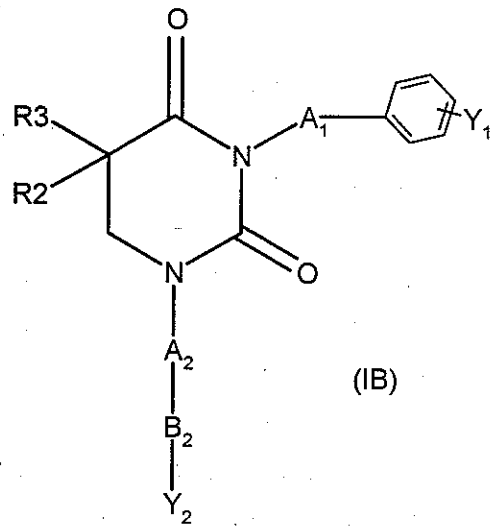
R2A and R3A, which may be identical or different, represent hydrogen and linear or branched alkyl containing not more than 4 carbon atoms optionally substituted with a hydroxyl radical, or alternatively R2A and R3A form, together with the carbon atom to which they are attached, a C3-C6 cycloalkyl radical,

said products of formula (IA) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IA).

A subject of the present invention is especially the products of formula (IA) as defined above corresponding to formula (IA) in which Y1a represents OCF3, SCF3 or S(O)2CF3 and R2A and R3A, which may be identical or

different, represent hydrogen and CH3, or alternatively R2A and R3A form, together with the carbon atom to which they are attached, a cyclopropyl radical,
the other substituents having any one of the values defined above,
said products of formula (IA) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IA).

A subject of the present invention is also the products of formula (I) as defined above corresponding to formula (IB):




(IB)

in which R2, R3, A1, Y, Y1, A2, B2 and Y2 have the meanings given above
said products of formula (IB) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IB).

A subject of the present invention is also the products of formula (IB) as defined above in which Y1 represents OCF3, SCF3 or S(O)2CF3 and R2 and R3, which

may be identical or different, represent hydrogen and CH3 or, alternatively R2 and R3 form, together with the carbon atom to which they are attached, a cyclopropyl radical,

the other substituents having any of the values given above,

said products of formula (IB) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (IB).

Among the products of the invention that are preferred, mentioned may be made more specifically of the products of formula (I) as defined above, the names of which are below:

- (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (S)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-4-methyl-3-quinol-4-ylmethyl-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)imidazolidin-2-one trifluoroacetate

- (R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-(4-hydroxy-benzyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-(4-hydroxy-benzyl)-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-(1-hydroxy-ethyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 4-quinol-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-quinol-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-pyrid-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-pyrid-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- (R)-1-(3-hydroxypyrid-4-ylmethyl)-5-methyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate

- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate
- 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 4-quinol-4-ylmethyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate,
- 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

Among the preferred products of the invention, mention may be made most particularly of the products of

formula (I) as defined above, the names of which are given below:

- cyclopropanecarboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- 5,5-dimethyl-1-[2-(pyrid-2-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}isobutyramide; compound with trifluoroacetic acid;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide; compound with trifluoroacetic acid;
- 1-(2-aminopyridin-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione hydrochloride;
- pyridine-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-piperidin-1-ylpropionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-[4-(2-hydroxyethyl)piperazin-1-yl]propionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-morpholin-4-ylpropionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-pyrrolidin-1-ylpropionamide trifluoroacetate;

- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(4-methylpiperazin-1-yl)propionamide trifluoroacetate;
- 1-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-phenylurea;
- 1-[2-(6-ethylpyridin-2-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(4-methylpyridin-2-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(6-methylpyridin-2-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 1-[2-(4,6-dimethylpyridin-2-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(3,5-dichloropyridin-2-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(pyridin-4-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(pyridin-3-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(2-oxoazepan-1-yl)propionamide;
- 3-(benzylmethylamino)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide;
- 4,5-diacetoxy-6-acetoxymethyl-2-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-

imidazolidin-1-ylmethyl]pyridin-2-yl}thioureidoacetic acid;

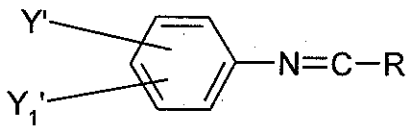
- 5,5-dimethyl-1-[2-(5-methylpyridin-2-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3,5-dimethoxybenzamide trifluoroacetate;
- 5,5-dimethyl-1-[2-(pyrazin-2-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(3-methylpiperidin-1-yl)propionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(3,5-dimethylpiperidin-1-yl)propionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-methoxybenzamide trifluoroacetate;
- pyrazine-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- thiophene-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-4-methylbenzamide; compound with trifluoroacetic acid;
- 1-isoquinolin-5-yl-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 3-(4-acetylpiperazin-1-yl)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide;

- 3-[4-(2-diethylaminoethyl)piperazin-1-yl]-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(2,6-dimethylmorpholin-4-yl)propionamide;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(4-pyrrolidin-1-ylpiperid-1-yl)propionamide;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-2-(4-pyrrolidin-1-ylpiperidin-1-yl)acetamide;
- 5,5-dimethyl-1-[2-(4-methylpyridin-3-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(6-morpholin-4-ylpyridin-3-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(2,6-dimethylpyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- methyl 5-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-ylamino}pyridine-2-carboxylate;
- 1-[2-(2,6-dimethoxypyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(6-fluoropyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(6-methoxypyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form,

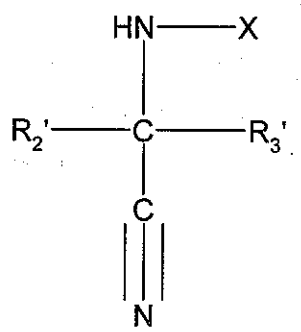
and also the addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

A subject of the present invention is also a process for preparing the products of general formula (I) as defined above, characterized in that:
either a product of formula (II):



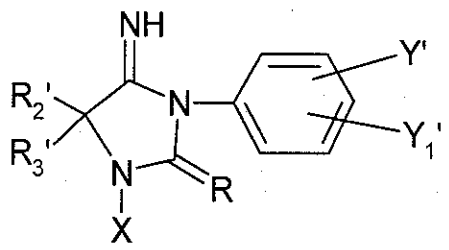

(II)

in which Y' and Y1' have the meanings given above for Y and Y1, respectively, in which the optional reactive functions are optionally protected and R has the meaning given above,
is reacted in the presence of a tertiary base with a product of formula (III) :




(III)

in which X represents -A2'-B2'-Y2' or hydrogen, and A2', B2', Y2', R2' and R3' have the meanings given above, respectively, for A2', B2', Y2', R2' and R3' in which the optional reactive functions are optionally protected above, to obtain a product of formula (IV) :



(IV)

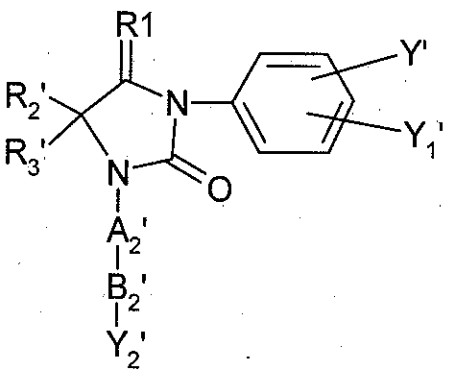
in which Y', Y1', X, R, R2' and R3' have the meanings given above,

which products of formula (IV) are, if necessary or if desired, subjected to any one or more of the following reactions, in any order:

a) reaction for removal of any protecting groups that may be borne by Y', Y1', R, R2' and R3' and X when X represents -A2'-B2'-Y2';

b) reaction for hydrolysis of the >C=NH group to a ketone function

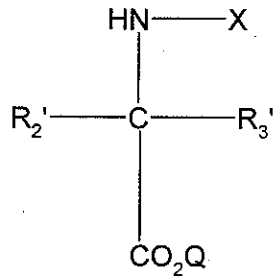
c) action on the products of formula (IV) in which X represents a hydrogen atom, and after optional hydrolysis of the >C=NH group to a ketone function of a reagent of formula Hal-A2'-B2'-Y2' in which A2', B2' and Y2' have the meanings given above and Hal represents a halogen atom, to obtain products of formula (Ii):



(Ii)

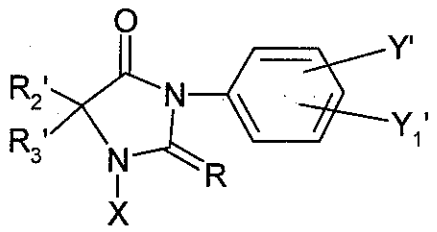
in which Y', Y1', R2', R3', A2', B2' and Y2' have the meanings given above, followed, if desired, by the action on these products of an agent for removing any protecting groups that may be borne by Y', Y1', R2', R3', A2', B2'

and Y2′ or, where appropriatel the action of an esterification, amidification or salification agent, or the product of formula (II) defined above is reacted in the presence of a tertiary base with a product of formula (III′):



(III')

in which R2′ and R3′ have the meanings given above and Q represents either an alkali metal atom, for example sodium, or an alkyl radical containing from 1 to 6 carbon atoms, to obtain a product of formula (IVa):

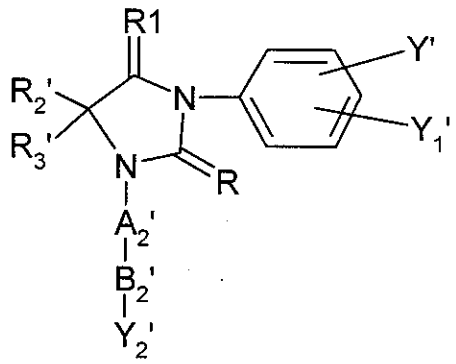


(IVa)

in which Y′, Y1′, R, R2′, R3′ and X have the meanings given above, which product, if desired, is subjected to any one or more of the following reactions, in any order:

a) reaction for removal of the possible protecting groups that may be borne by X;

b) action on the products of formula (IVa), in which X represents a hydrogen atom, of a reagent of formula Hal-A2′-B2′-Y2′ in which A2′, B2′ and Y2′ have the meanings given above and Hal represents a halogen atom, to obtain products of formula (Iii):

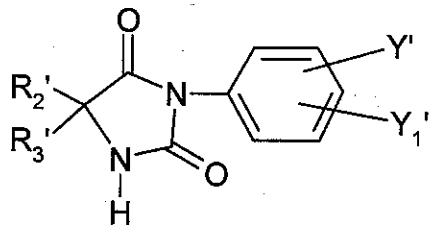


(Iii)

in which Y', Y1', R, R1, R2', R3' and A2', B2' and Y2' have the meanings given above,

followed, if desired, by the action on these products of an agent for removing any protecting groups that may be borne by Y', Y1', R2', R3', A2', B2' and Y2' or, where appropriate, the action of an esterification, amidification or salification agent,

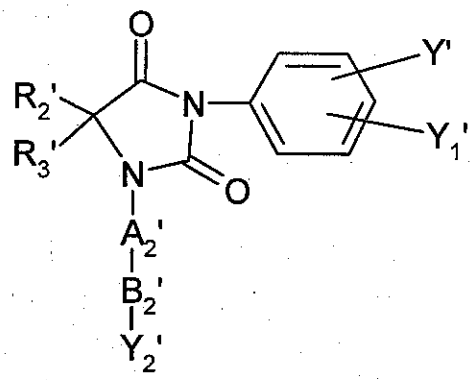
or a reagent of formula Hal-A2'-B2'-Y2', in which A2', B2', Y2' and Hal have the meanings given above, is reacted with a product of formula (IV'):



(IV')

in which Y', Y1', R2' and R3' have the meanings given above,

to obtain a product of formula (IV"):



(IV")

in which Y', Y1', R2', R3', A2', B2' and Y2' have the meanings given above,

which product of formula (IV") is, if necessary or if desired, subjected to a reaction for removal of any protecting groups that may be borne by -A2'-B2'-Y2', followed, where appropriate, by the action of an esterification, amidation or salification agent.

It may be noted that, depending on the values Y', Y1', R2', R3', A2', B2' and Y2', the products of formulae (IV), (Ii), (IVa), (Iii) and (IV'') may be products of formula (I) and that, to obtain products or other products of formula (I), these products may be subjected if desired, and necessary, to one or more of the following conversion reactions, in any order:

a) a reaction for esterification of an acid function,

b) a reaction for saponification of an ester function to an acid function,

c) a reaction for oxidation of an alkylthio group to the corresponding sulfoxide or sulfone group,

d) a reaction for conversion of a ketone function to an oxime function,

e) a reaction for reducing a free or esterified carboxyl function to an alcohol function,

f) a reaction for conversion of an alkoxy function to a hydroxyl function, or alternatively of a hydroxyl function to an alkoxy function,

g) a reaction for oxidation of an alcohol function to an aldehyde, acid or ketone function,

h) a reaction for conversion of a nitrile radical to a tetrazolyl,

i) a reaction for reduction of nitro compounds to amino compounds,

j) a reaction for removal of the protecting groups that may be borne by the protected reactive functions,

k) a reaction for salification with a mineral or organic acid or with a base to obtain the corresponding salt,

l) a reaction for resolution of the racemic forms to resolved products,

said products of formula (I) thus obtained being in any possible racemic, enantiomeric or diastereoisomeric isomer form.

It may be noted that such reactions for converting substituents into other substituents may also be performed on the starting materials, and also on the intermediates as defined above before continuing the synthesis according to the reactions indicated in the process described above.

The various reactive functions that may be borne by certain compounds of the reactions defined above may, if necessary, be protected: these are, for example, hydroxyl, acyl, free carboxyl or amino and monoalkylamino radicals, which may be protected with the appropriate protecting groups.

The following nonexhaustive list of examples of protection of reaction functions may be mentioned:

- the hydroxyl groups may be protected, for example, with alkyl radicals such as tert-butyl, trimethylsilyl, tert-butyldimethylsilyl, methoxymethyl, tetrahydropyranyl, benzyl or acetyl,
- the amino groups may be protected, for example, with acetyl, trityl, benzyl, tert-butoxycarbonyl, benzyloxycarbonyl, phthalimido radicals or other radicals known in peptide chemistry,
- the acyl groups such as the formyl group may be protected, for example, in the form of cyclic or noncyclic ketals or thioketals such as dimethyl or diethylketal or ethylene dioxyketal, or diethylthioketal or ethylenedithioketal,
- the acid functions of the products described above may be, if desired, amidated with a primary or secondary

amine, for example in methylene chloride in the presence, for example, of 1-ethyl-3-(dimethylaminopropyl)carbodiimide hydrochloride at room temperature:

- the acid functions may be protected, for example, in the form of esters formed with readily cleavable esters such as benzyl esters or tert-butyl esters, or esters known in peptide chemistry.

These reactions a) to k) indicated above may be performed, for example, as indicated below.

a) The products described above may, if desired, undergo, on the possible carboxyl functions, esterification reactions that may be performed according to the usual methods known to those skilled in the art.

b) The possible conversions of ester functions into an acid function of the products described above may be, if desired, performed under the usual conditions known to those skilled in the art, especially by acid or alkaline hydrolysis, for example with sodium hydroxide or potassium hydroxide in alcoholic medium such as, for example, in methanol, or alternatively with hydrochloric acid or sulfuric acid.

c) the possible alkylthio groups in the products described above, in which the alkyl radical is optionally substituted with one or more halogen atoms, especially fluorine, may, if desired, be converted into the corresponding sulfoxide or sulfone functions under the usual conditions known to those skilled in the art such as, for example, with peracids such as, for example, peracetic acid or meta-chloroperbenzoic acid, or alternatively with ozone, oxone or sodium periodate in a solvent such as, for example, methylene chloride or dioxane at room temperature.

The production of the sulfoxide function may be promoted with an equimolar mixture of the product containing an alkylthio group and the reagent such as, especially, a peracid.

The production of the sulfone function may be promoted with a mixture of the product containing an alkylthio group with an excess of the reagent such as, especially, a peracid.

d) The reaction for conversion of a ketone function into an oxime may be performed under the usual conditions known to those skilled in the art, such as, especially, a reaction in the presence of an optionally O-substituted hydroxylamine in an alcohol such as, for example, ethanol, at room temperature or with heating.

e) The possible free or esterified carboxyl functions of the products described above may be, if desired, reduced to an alcohol function by the methods known to those skilled in the art: the possible esterified carboxyl functions may be, if desired, reduced to an alcohol function by the methods known to those skilled in the art and especially with lithium aluminum hydride in a solvent such as, for example, tetrahydrofuran or dioxane or ethyl ether.

The possible free carboxyl functions of the products described above may be, if desired, reduced to an alcohol function especially with boron hydride.

f) The possible alkoxy functions such as, especially, methoxy, in the products described above, may be, if desired, converted into a hydroxyl function under the usual conditions known to those skilled in the art, for example with boron tribromide in a solvent such as, for example, methylene chloride, with pyridine hydrobromide or hydrochloride or with hydrobromic acid or hydrochloric acid in water or trifluoroacetic acid at reflux.

g) The possible alcohol functions of the products described above may be, if desired, converted into an aldehyde or acid function by oxidation under the usual conditions known to those skilled in the art, such as,

for example, by the action of manganese oxide to obtain the aldehydes, or of Jones' reagent to access the acids.

h) The possible nitrile functions of the products described above may be, if desired, converted into tetrazolyl under the usual conditions known to those skilled in the art, such as, for example, by cycloaddition of a metal azide such as, for example, sodium azide or a trialkyltin azide on the nitrile function, as indicated in the method described in the article referenced as follows:

J. Organometallic Chemistry., 33, 337 (1971) KOZIMA S. et al.

It may be noted that the reaction for conversion of a carbamate into urea and especially of a sulfonylcarbamate into sulfonylurea may be performed, for example, at the reflux point of a solvent such as, for example, toluene, in the presence of the appropriate amine.

It is understood that the reactions described above may be performed as indicated or alternatively, where appropriate, according to other common methods known to those skilled in the art.

i) The removal of protecting groups such as, for example, those indicated above may be performed under the usual conditions known to those skilled in the art, especially via an acid hydrolysis performed with an acid such as hydrochloric acid, benzenesulfonic acid or para-toluenesulfonic acid, formic acid or trifluoroacetic acid, or alternatively via a catalytic hydrogenation.

The phthalimido group may be removed with hydrazine.

A list of various protecting groups that may be used will be found, for example, in patent BF 2 499 995.

j) The products described above may, if desired, be subjected to salification reactions, for example with a mineral or organic acid or with a mineral or organic base

according to the usual methods known to those skilled in the art.

k) The possible optically active forms of the products described above may be prepared by resolving the racemic mixtures according to the usual methods known to those skilled in the art.

The reaction of the products of formula (II) with the products of formula (III) is preferably performed in an organic solvent such as tetrahydrofuran or dichloroethane, but ethyl ether or isopropyl ether may also be used.

The process is optionally performed in the presence of a tertiary base such as triethylamine or alternatively pyridine or methylethylpyridine.

The possible reactive functions that are optionally protected in the product of formula (III), (IVa) or (IV") are the hydroxyl or amino functions. Usual protecting groups are used to protect these functions. Examples that may be mentioned include the following protecting groups for the amino radical: tert-butyl, tert-amyl, trichloroacetyl, chloroacetyl, benzhydryl, trityl, formyl, benzyloxycarbonyl.

Protecting groups for the hydroxyl radical that may be mentioned include radicals such as formyl, chloroacetyl, tetrahydropyranyl, trimethylsilyl and tert-butyldimethylsilyl.

It is clearly understood that the above list is not limiting and that other protecting groups, which are known, for example, in peptide chemistry, may be used. A list of such protecting groups is found, for example, in French patent 2 499 995, the content of which is incorporated herein by reference.

The possible reactions for removal of the protecting groups are performed as indicated in said patent 2 499 995. The preferred method of removal is acid hydrolysis with acids chosen from hydrochloric acid,

benzenesulfonic acid or para-toluenesulfonic acid, formic acid or trifluoroacetic acid. Hydrochloric acid is preferred.

The possible reaction for hydrolysis of the >C=NH group to a ketone group is also preferably performed using an acid such as aqueous hydrochloric acid, for example at reflux.

The action on the products of formula (IV), (IVa) or (IV') of the reagent of formula Hal-A2'-B2'-Y2' is performed in the presence of a strong base such as sodium hydride or potassium hydride. The process may be performed by phase-transfer reaction in the presence of quaternary ammonium salts such as tert-butylammonium.

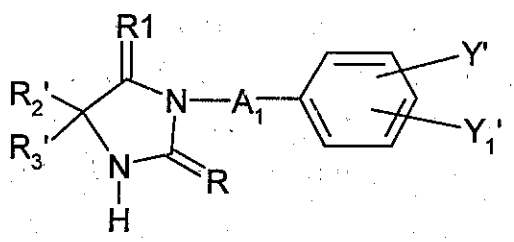
An example of removal of the tert-butyldimethylsilyl group using hydrochloric acid is given below in the examples.

- The possible esterification of a free OH radical is performed under standard conditions. An acid or a functional derivative, for example an anhydride such as acetic anhydride in the presence of a base such as pyridine may be used, for example.

The possible esterification or salification of a COOH group is performed under the standard conditions known to those skilled in the art.

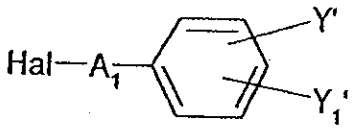
- The possible amidation of a COOH radical is performed under standard conditions. A primary or secondary amine may be used on a functional derivative of the acid, for example a symmetrical or mixed anhydride.

A subject of the present invention is also a process for preparing the products of formula (I"):



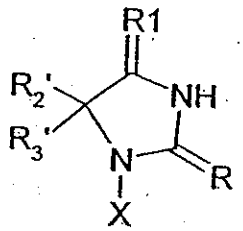

(I")

in which Y', Y1', A1, R, R1, R2' and R3' have the meanings given above, characterized in that a product of formula (V):




(V)

in which A1, Y1' and Y2' have the above meanings and Hal represents a halogen atom, is reacted with a product of formula (VI):




(VI)

in which R, R1, R2', R3' and X have the above meanings, the reaction being performed in the presence of a catalyst and optionally a solvent.

As regards the products of formula (V), the term "Hal" preferably denotes a chlorine atom, but may also denote a bromine or iodine atom.

A subject of the invention is, more specifically, a process as defined above in which the catalyst is a metal in native or oxidized form or a base.

The catalyst used may be a metal in native form, in metal oxide form or alternatively in the form of metal salts. The catalyst may also be a base. When the catalyst used is a metal, this metal may be copper or nickel.

The metal salts may be a chloride or an acetate.

It may be noted that when A1 represents a single bond, a catalyst may be used. When A1 represents alkyl,

it is then an alkylation, which may be performed especially in the presence of a reagent such as a base.

When the catalyst is a base, this base may be, for example, sodium hydroxide or potassium hydroxide and, if desired, dimethyl sulfoxide may be added to the reaction medium.

A subject of the invention is, more specifically, a process as defined above in which the catalyst is chosen from cuprous oxide, cupric oxide, copper in native form and a base such as sodium hydroxide or potassium hydroxide.

The copper in native form used as catalyst is preferably in the form of powder.

A subject of the invention is particularly a process as defined above in which the catalyst is cuprous oxide.

The solvent used is preferably chosen from high-boiling ethers such as, for example, phenyl oxide, diglyme, triglyme and dimethyl sulfoxide, but may also be, for example, a high-boiling oil such as paraffin or liquid petroleum jelly.

It may be noted that, especially when A1 represents a single bond, in the reaction of a product of formula (V) with a product of formula (VI) as defined above, palladium or a salt thereof as described, for example, in the following articles, or a copper salt with a ligand, for instance a 1,2-diaminocyclohexane derivative, may also be used as catalyst: Buchwald S.L., J. AM. CHEM. SOC., 2002, 6043 and Buchwald S.L., J. AM. CHEM. SOC., 2001, 7727.

A subject of the invention is, more particularly, a process as defined above, characterized in that the process is performed in the presence of a solvent of ether type such as phenyl ether, diglyme, triglyme, dimethyl sulfoxide, toluene or dioxane.

A subject of the invention is, most particularly, a process as defined above in which the solvent used is phenyl ether or triglyme.

The process for preparing the desired product, defined above, may be performed under pressure or at atmospheric pressure, preferably at elevated temperature.

A subject of the invention is thus a process as defined above, characterized in that the reaction is performed at a temperature above 100°C and preferably above 150°C.

A subject of the invention is, more specifically, a process as defined above, characterized in that the reaction is performed for more than 2 hours.

A subject of the invention is, very specifically, a process as defined above, characterized in that the reaction is performed in the presence of cuprous oxide, in triglyme, at a temperature of greater than or equal to 200°C and for more than 3 hours.

The products that are the subject of the present invention have advantageous pharmacological properties: it has been found that they especially have inhibitory properties on protein kinases.

Among these protein kinases, mention may be made especially of IGF1R.

FAK may also be mentioned. AKT may also be mentioned.

Tests given in the experimental section below illustrate the inhibitory activity of products of the present invention with respect to such protein kinases.

These properties thus make the products of general formula (I) of the present invention usable as medicinal products for treating malignant tumors.

The products of formula (I) may also be used in the veterinary field.

A subject of the invention is thus, as medicinal products, pharmaceutically acceptable products of general formula (I).

A subject of the invention is, particularly, the use as medicinal products of the products whose names are below:

- (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (S)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-4-methyl-3-quinol-4-ylmethyl-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)imidazolidin-2-one trifluoroacetate
- (R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-(4-hydroxy-benzyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate

- (R)-5-(4-hydroxy-benzyl)-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- (R)-5-(1-hydroxy-ethyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 4-quinol-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-quinol-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-pyrid-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-pyrid-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- (R)-1-(3-hydroxypyrid-4-ylmethyl)-5-methyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate

- 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate
- 4-quinol-4-ylmethyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate,
- 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate
- 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the pharmaceutically acceptable addition salts with mineral and organic acids or with mineral and organic bases of said products of formula (I).

One subject of the invention is particularly the application, as medicinal products, of the products whose names are given below:

- cyclopropanecarboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- 5,5-dimethyl-1-[2-(pyrid-2-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-

imidazolidine-2,4-dione; compound with trifluoroacetic acid;

- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}isobutyramide; compound with trifluoroacetic acid;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide; compound with trifluoroacetic acid;
- 1-(2-aminopyridin-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione hydrochloride;
- pyridine-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-piperidin-1-ylpropionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-[4-(2-hydroxyethyl)piperazin-1-yl]propionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-morpholin-4-ylpropionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-pyrrolidin-1-ylpropionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(4-methylpiperazin-1-yl)propionamide trifluoroacetate;
- 1-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-phenylurea;
- 1-[2-(6-ethylpyridin-2-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;

- 5,5-dimethyl-1-[2-(4-methylpyridin-2-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(6-methylpyridin-2-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 1-[2-(4,6-dimethylpyridin-2-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione;
- 1-[2-(3,5-dichloropyridin-2-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(pyridin-4-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(pyridin-3-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethyl-sulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(2-oxoazepan-1-yl)propionamide;
- 3-(benzylmethylamino)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide;
- 4,5-diacetoxy-6-acetoxymethyl-2-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-imidazolidin-1-ylmethyl]pyridin-2-yl}thioureidoacetic acid;
- 5,5-dimethyl-1-[2-(5-methylpyridin-2-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethyl-sulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3,5-dimethoxybenzamide trifluoroacetate;

- 5,5-dimethyl-1-[2-(pyrazin-2-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(3-methylpiperidin-1-yl)propionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(3,5-dimethylpiperidin-1-yl)propionamide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-methoxybenzamide trifluoroacetate;
- pyrazine-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- thiophene-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}amide trifluoroacetate;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-4-methylbenzamide; compound with trifluoroacetic acid;
- 1-isoquinolin-5-yl-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 3-(4-acetylpiperazin-1-yl)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide;
- 3-[4-(2-diethylaminoethyl)piperazin-1-yl]-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(2,6-dimethylmorpholin-4-yl)propionamide;
- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-3-(4-pyrrolidin-1-ylpiperid-1-yl)propionamide;

- N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}-2-(4-pyrrolidin-1-ylpiperidin-1-yl)acetamide;
- 5,5-dimethyl-1-[2-(4-methylpyridin-3-ylamino)-pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione;
- 5,5-dimethyl-1-[2-(6-morpholin-4-ylpyridin-3-ylamino)pyridin-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(2,6-dimethylpyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- methyl 5-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-ylamino}pyridine-2-carboxylate;
- 1-[2-(2,6-dimethoxypyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(6-fluoropyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;
- 1-[2-(6-methoxypyridin-3-ylamino)pyridin-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione,

said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with mineral and organic acids or with pharmaceutically acceptable mineral and organic bases of said products of formula (I).

The products may be administered parenterally, orally, perlingually, rectally or topically.

A subject of the invention is also pharmaceutical compositions, characterized in that they contain as active principle at least one of the medicinal products of general formula (I).

These compositions may be in the form of injectable solutions or suspensions, tablets, coated tablets, capsules, syrups, suppositories, creams, ointments and lotions. These pharmaceutical forms are prepared according to the usual methods. The active principle may be incorporated into excipients usually used in these compositions, such as aqueous or nonaqueous vehicles, talc, gum arabic, lactose, starch, magnesium stearate, cocoa butter, fatty substances of animal or plant origin, paraffin derivatives, glycols, various wetting, dispersing or emulsifying agents, and preserving agents.

The usual dose, which varies according to the individual treated and the complaint under consideration, may be, for example, from 10 mg to 500 mg per day orally in man.

The present invention thus relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) for the preparation of medicinal products for inhibiting the activity of protein kinases and especially of a protein kinase.

The present invention thus relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) in which the protein kinase is a protein tyrosine kinase.

The present invention thus relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) in which the protein kinase is chosen from the following group: EGFR, Fak, FLK-1, FGFR1, FGFR2, FGFR3, FGFR4, FGFR5, flt-1, IGF-1R, KDR, PDGFR, tie2, VEGFR, AKT, Raf.

The present invention thus relates particularly to the use of products of formula (I) as defined above or of

pharmaceutically acceptable salts of said products of formula (I) in which the protein kinase is IGF1R.

The present invention also relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) in which the protein kinase is FAK.

The present invention also relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) in which the protein kinase is AKT.

The present invention also relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) in which the protein kinase is in a cell culture, and also to this use in a mammal.

The present invention thus relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) for the preparation of a medicinal product for preventing or treating a disease characterized by deregulation of the activity of a protein kinase and especially such a disease in a mammal.

The present invention relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) for the preparation of a medicinal product for preventing or treating a disease belonging to the following group: disorders of blood vessel proliferation, fibrotic disorders, disorders of mesangial cell proliferation, metabolic disorders, allergies, asthma, thrombosis, diseases of the nervous system, retinopathy, psoriasis, rheumatoic arthritis, diabetes, muscle degeneration, oncology diseases and cancer.

The present invention thus relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of

formula (I) for the preparation of a medicinal product for treating oncology diseases.

The present invention relates particularly to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) for the preparation of a medicinal product for treating cancers.

Among these cancers, the present invention is most particularly of interest in the treatment of solid tumors and the treatment of cancers that are resistant to cytotoxic agents.

Among these cancers, the present invention relates most particularly to the treatment of breast cancer, stomach cancer, cancer of the colon, lung cancer, cancer of the ovaries, cancer of the uterus, brain cancer, cancer of the kidney, cancer of the larynx, cancer of the lymphatic system, cancer of the thyroid, cancer of the urogenital tract, cancer of the tract including the seminal vesicle and prostate, bone cancer, cancer of the pancreas and melanomas.

The present invention is even more particularly of interest in treating breast cancer, cancer of the colon and lung cancer.

The present invention also relates to the use of products of formula (I) as defined above or of pharmaceutically acceptable salts of said products of formula (I) for the preparation of a medicinal product for cancer chemotherapy.

As medicinal products according to the present invention for cancer chemotherapy, the products of formula (I) according to the present invention may be used alone or in combination with chemotherapy or radiotherapy or alternatively in combination with other therapeutic agents.

The present invention thus relates especially to the pharmaceutical compositions as defined above, also

containing active principles of other chemotherapy medicinal products for combating cancer.

Such therapeutic agents may be antitumor agents commonly used.

As examples of known inhibitors of protein kinases, mention may be made especially of butyrolactone, flavopiridol, 2-(2-hydroxyethylamino)-6-benzylamino-9-methylpurine, olomucine, Glivec and Iressa.

The products of formula (I) according to the present invention may thus also be advantageously used in combination with antiproliferative agents: as examples of such antiproliferative agents, but without, however, being limited to this list, mention may be made of aromatase inhibitors, antiestrogens, the topoisomerase I inhibitors, the topoisomerase II inhibitors, microtubule-active agents, alkylating agents, histone deacetylase inhibitors, farnesyl transferase inhibitors, COX-2 inhibitors, MMP inhibitors, mTOR inhibitors, antineoplastic antimetabolites, platinum compounds, compounds that reduce the activity of protein kinases and also anti-angiogenic compounds, gonadorelin agonists, antiandrogens, bengamides, biphophonates and trastuzumab.

Examples that may thus be mentioned include anti-microtubule agents, for instance taxoids, vinca alkaloids, alkylating agents such as cyclophosphamide, DNA-intercalating agents, for instance cis-platinum, agents that are interactive on topoisomerase, for instance camptothecin and derivatives, anthracyclines, for instance adriamycin, antimetabolites, for instance 5-fluorouracil and derivatives, and the like.

The present invention thus relates to products of formula (I) as protein kinase inhibitors, said products of formula (I) being in any possible racemic, enantiomeric or diastereoisomeric isomer form, and also the addition salts with pharmaceutically acceptable mineral and organic acids or with pharmaceutically

acceptable mineral and organic bases of said products of formula (I), and also the prodrugs thereof.

The present invention relates particularly to products of formula (I) as defined above, as IGF1R inhibitors.

The present invention also relates to products of formula (I) as defined above as FAK inhibitors.

The present invention also relates to products of formula (I) as defined above as AKT inhibitors.

The present invention relates more particularly to the products of formula (IA) as defined above as IGF1R inhibitors.

The products of formula (I) according to the present invention may be prepared by application or adaptation of known methods and especially of the methods described in the literature such as, for example, those described by R.C. Larock in: Comprehensive Organic Transformations, VCH publishers, 1989.

In the reactions described below, it may be necessary to protect reactive functional groups such as, for example, hydroxyl, amino, imino, thio or carboxyl groups, when these groups are desired in the final product but when their participation is not desired in the reactions for synthesizing the products of formula (I). Conventional protecting groups may be used in accordance with the usual standard practices, for instance those described, for example, by T.W. Greene and P.G.M. Wuts in "Protective Groups in Organic Chemistry" John Wiley and Sons, 1991.

The products of formula (II) used at the start of the invention may be obtained by the action of phosgene when X represents an oxygen atom, or of thiophosgene when X represents a sulfur atom, on the corresponding amine of formula (A), i.e. the aminophenyl derivative bearing the substituents Y and Y1' as defined above.

A product of this type is also described in French patent 2 329 276.

The products of formula (III) or (III') are known or may be prepared from the corresponding cyanohydrin according to the process described in the publication: J. Am. Chem. Soc. (1953), 75, 4841.

The products of formula (III) may be obtained by the action of a product of formula Y2-B2-A2-Hal on 2-cyano-2-aminopropane under the conditions stated above for the action of Y2-B2-A2-Hal on the products of formula (IV). An example of a preparation of this type is described in the reference:

- Jilek et al. Collect. Czech. Chem. Comm. 54(8) 2248 (1989).

The products of formula (IV') are described in French patent 2 329 276.

The starting materials of formulae (V) and (VI), on which a process that is the subject of the invention is performed, to obtain the products of formula (I), are known and commercially available or may be prepared according to methods known to those skilled in the art.

The preparation of products of formula (VI) is described especially in the following publications:

- Zhur. Préklad. Khim. 28, 969-75 (1955) (CA 50, 4881a, 1956)
- Tetrahedron 43, 1753 (1987)
- J. Org. Chem. 52, 2407 (1987)
- Zh. Org. Khim. 21, 2006 (1985)
- J. Fluor. Chem. 17, 345 (1981)

or in:

- German patent DRP 637 318 (1935)
- European patent EP 0 130 875
- Japanese patent JP 81 121 524.

The products of formula (VI) that are hydantoin derivatives are widely used and cited in the literature, for instance in the following articles:

- J. Pharm. Pharmacol., 67, Vol. 19(4), p. 209-16 (1967)
- Khim. Farm. Zh., 67, Vol. 1 (5) p. 51-2
- German patent 2 217 914
- European patent 0 091 596
- J. Chem. Soc. Perkin. Trans. 1, p. 219-21 (1974).

The products of formula (I) of the present patent application as defined above, for which p represents the integer 0 and which thus constitute hydantoin derivatives, may be synthesized according to the process indicated above and especially according to the general scheme below which describes this synthesis on a solid support. The protocol that follows this scheme gives the operating conditions for such a synthesis on solid support of the products of formula (I) of the present patent application.

The experimental section below more particularly gives an illustration of such a synthesis on a solid support according to the above protocol with the preparation of Examples 1 to 56 of the present patent application.

Such a synthesis may be performed according to the general protocol below.

Rink resin, protected with an Fmoc group, is deprotected with a 20% solution of piperidine in DMF. The resulting amine resin is coupled with an amino acid protected with an Fmoc group, in the presence of diisopropylaminecarbodiimide (DIC) and hydroxybenzotriazole (HOBt). The supported N-Fmoc amino acid is then deprotected with a 20% solution of piperidine in DMF. The free amine is reacted with an aldehyde dissolved in a 50/50 mixture of THF and triethyl orthoformate (TEOF) to give a Schiff's base, which is reduced with sodium cyanoborohydride. The resulting amine is coupled with an isocyanate or an isothiocyanate to give the corresponding urea or thiourea. When the isocyanate is not commercially available, it may be prepared from the corresponding

amine by reaction with 1/3 equivalent of triphosgene in the presence of 2 equivalents of pyridine. The product is then cleaved with a 95% trifluoroacetic acid/water mixture. The urea thus released cyclizes to give the expected hydantoinine. In certain cases, the cleavage solution must be heated to 80°C to obtain complete cyclization.

The products of formula (I) of the present patent application as defined above, for which p represents the integer 1 and which thus constitute dihydrouracil derivatives, may be synthesized according to the process indicated above and especially according to the general scheme below which describes this synthesis on a solid support. The protocol that follows this scheme gives the operating conditions for such a synthesis of the products of formula (I) of the present patent application on a solid support.

The experimental section below more particularly gives an illustration of such a synthesis on a solid support according to the above protocol with the preparation of Example 5 of the present patent application.

For the synthesis of the dihydrouracils on a solid support, the protocol that follows may be used.

Wang polystyrene resin (1.7 mmol/g) is used, for example, which resin is treated with a mixture of β-amino acid, 2,6-dichlorobenzoyl chloride and pyridine in DMF. After washing the resin is treated with a 10% solution of piperidine in DMF. The resulting free amine is reacted with an aldehyde in a mixture of THF/trimethyl orthoformate (TMOF). The resulting Schiff's base is reduced with sodium cyanoborohydride in a mixture of methanol, THF and acetic acid. The secondary amine obtained is acylated with phosgene and the resulting carbomoyl chloride is treated with a primary amine to give the corresponding urea. Cyclization to the

dihydrouracil and cleavage of the final product are performed by treating with a strong base such as diazabicycloundecene (DBU).

The products of formula (I) of the present patent application may thus be synthesized on a solid support as described above or in liquid phase according to the process indicated below: the experimental section of the present patent application gives an illustration of such a liquid-phase synthesis with the preparation of Examples 57 to 62.

For this liquid-phase synthetic process, two routes A and B may be performed, each involving two steps.

**Route A:**

step a: the alkylation of the amino ester may be performed by reductive amination with an aromatic or heterocyclic aldehyde according to the general process described in Advanced Organic Reaction, March, third edition, page 798-800. In particular, the formation of the Schiff's base (intermediate) may be performed using an amino ester optionally in salt form, an aldehyde and optionally a dehydrating agent (for example magnesium sulfate) in a solvent, for instance dichloromethane or dichloroethane, at a temperature of between 0°C and the reflux point of the solvent. The imine formed may be isolated. The imine formed is reduced with a metal hydride, for instance sodium borohydride, in a solvent, for instance an alcohol (for example ethanol or methanol), at a temperature of between 0°C and the reflux point of the solvent.

step b: the amino ester obtained is coupled with an isocyanate in a solvent, for instance THF or dichloromethane, with or without the presence of a base (for example triethylamine) or an acid (for example trifluoroacetic acid), at a temperature of between 0°C and the reflux point of the solvent. When the isocyanates are not commercially available, they are prepared from

the corresponding amines and triphosgene or diphosgene or phosgene in the presence of a base (for example pyridine or triethylamine) according to the general procedure described in Advanced Organic Reaction, March, third edition, page 370.

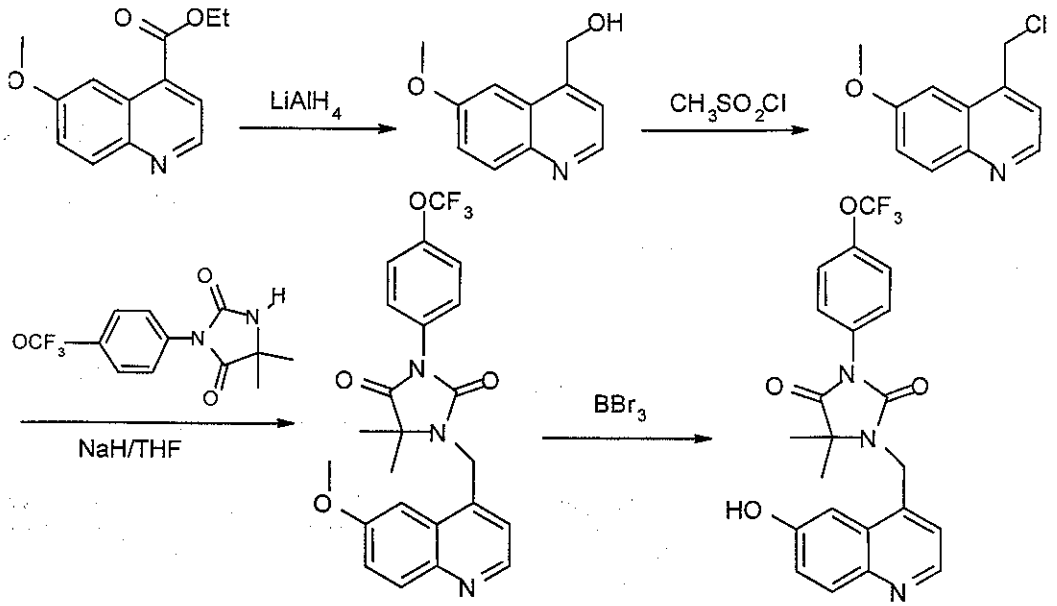
**Route B:**

step a: the formation of the isocyanate may be performed by coupling an aromatic or heterocyclic amine with diphosgene in the presence of activated plant charcoal, in a solvent, for instance toluene, at a temperature of between -40°C and the reflux point of the solvent. The isocyanate formed is not isolated, and may react with the amino ester or its salt in the same solvent in the presence of a base, for instance triethylamine, at a temperature of between 0°C and the reflux point of the solvent, to give the 3-arylimidazolidine-2,4-dione derivative.

step b: the coupling of this derivative with an alkyl halide is performed in the presence of a base, for instance potassium tert-butoxide or sodium hydride, in a solvent, for instance THF or DMF, at a temperature of between 0°C and the reflux point of the solvent.

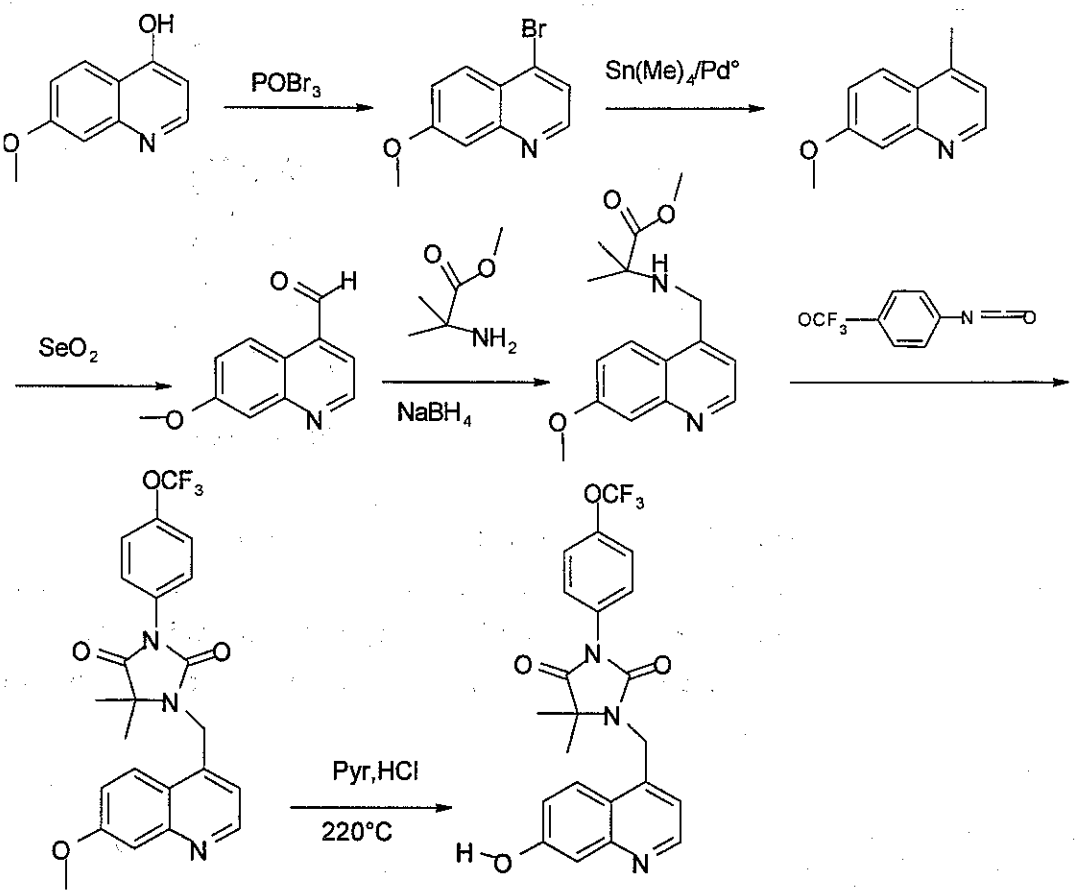
The products of formula (I) of the present patent application that constitute examples 201 to 207 of the present patent application were prepared as indicated below in the experimental section and as indicated in the schemes that follow: in these schemes, example I represents example 201, example II represents example 202, example III represents example 203, example IV represents example 204, example V represents example 205, example VI represents example 206 and example VII represents example 207.

**EXAMPLES I and II**



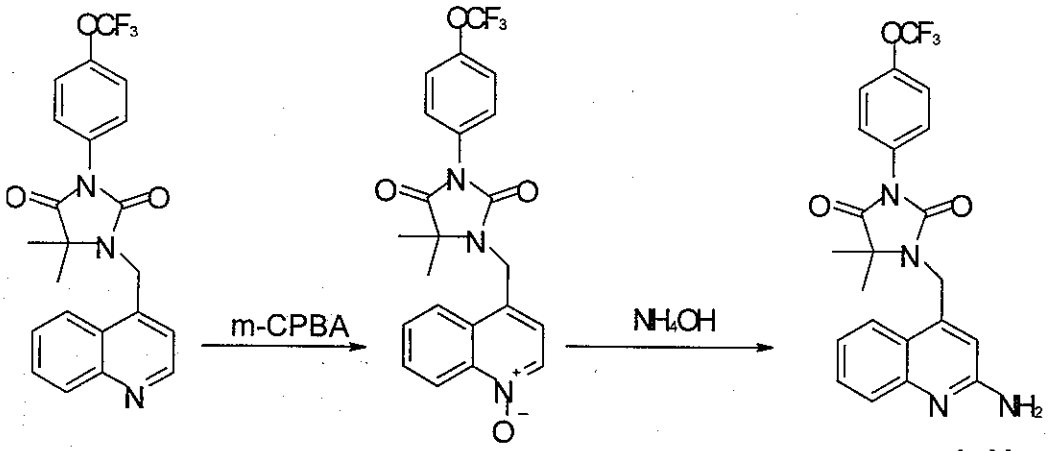

**example I** **example II**

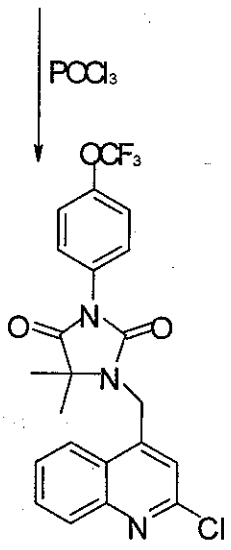
**EXAMPLES III and IV**




**example III** **example IV**

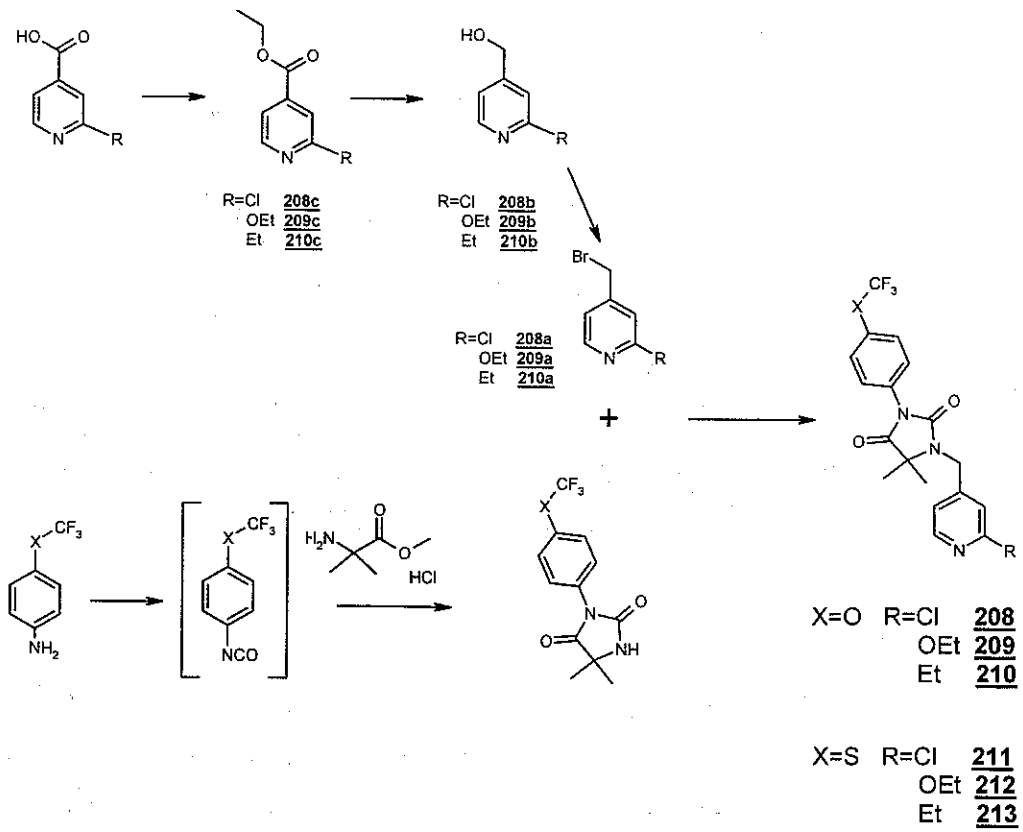
**EXAMPLES V, VI and VII**




**example VII**

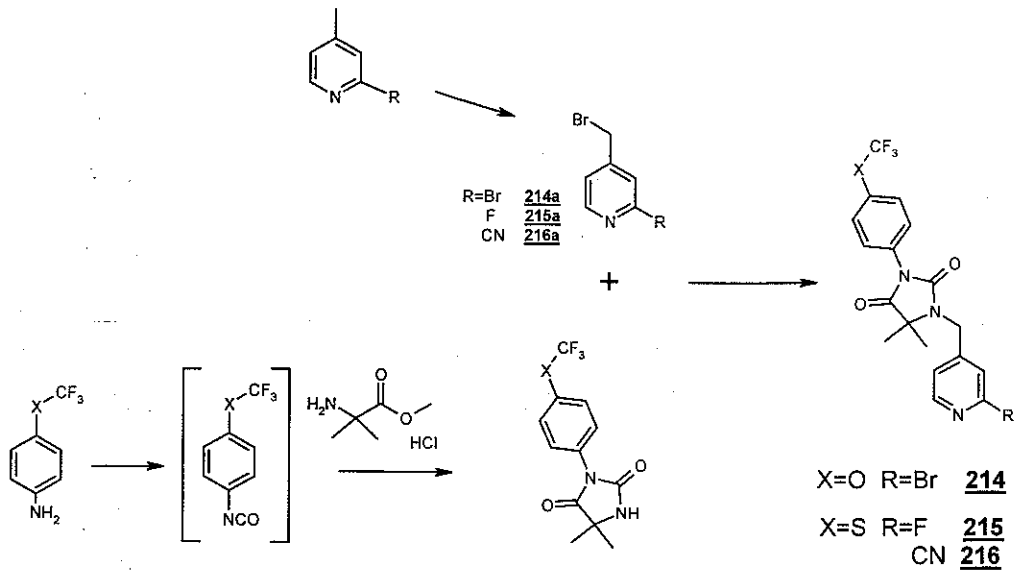
The synthesis of the products of formula (I) of the present patent application that constitute the products of examples 208 to 243 was performed using route B. The alkyl halide may be prepared from the corresponding carboxylic acids.




The ethyl carboxylates were prepared by esterification of the carboxylic acids in ethanol in the presence of sulfuric acid, repeating the conditions described in Synthesis 2000, 1138.

The reduction of the ethyl carboxylates to alcohol was performed in ethanol in the presence of sodium borohydride, repeating the conditions described in Synthesis 2000, 1665.

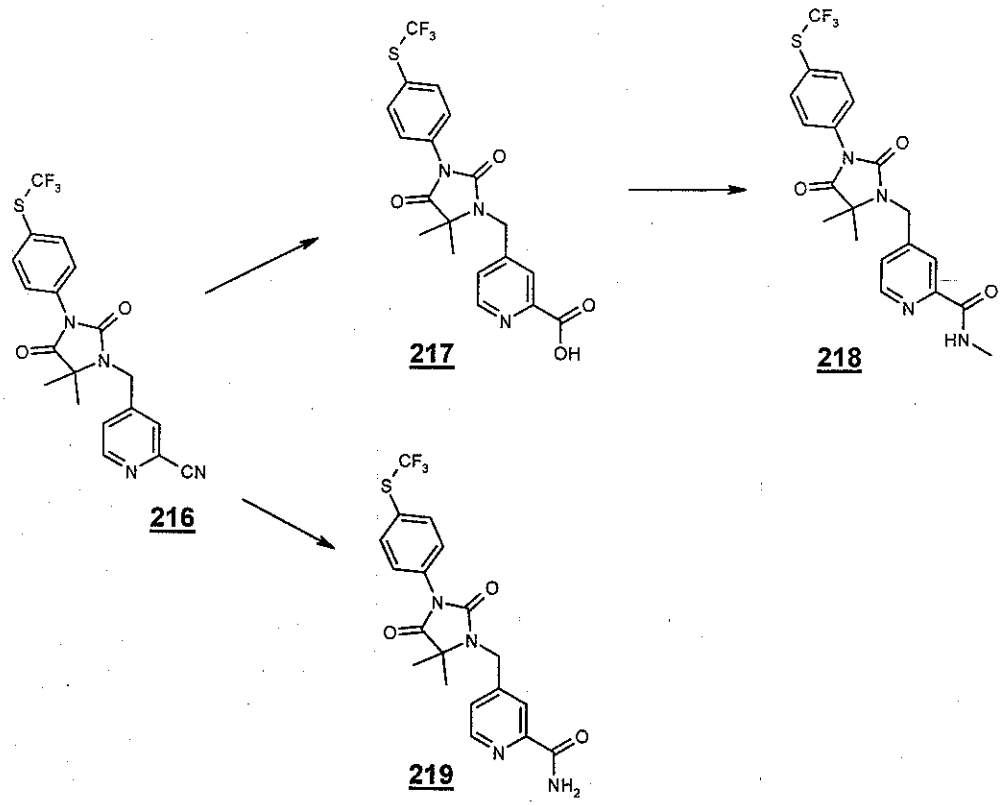
The conversion of the alcohols thus obtained into alkyl halides was performed using dibromotriphenylphosphorane as halogenating agent, repeating the conditions described in J. Heterocyclic Chem., 30, 631 (1993).




The alkyl halides may also be prepared by free-radical bromination of the corresponding methylenes in the presence of N-bromosuccinimide and benzoyl peroxide in carbon tetrachloride, repeating the conditions described in J. Heterocyclic Chem., 30, 631 (1993).

Thus, we functionalized the pyridine nucleus in position 2 with a bromine or fluorine atom or alternatively with a nitrile group.

The latter compound will also allow us to prepare various carbonyl compounds.



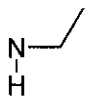
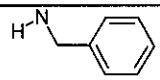
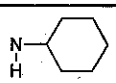
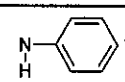
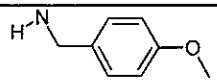

The acidic hydrolysis of the nitrile in the presence of sulfuric acid, repeating the conditions described in J. Med. Chem. 1991, 34, 281-290, led to the carboxamide in dimeric form. Hydrolysis of the nitrile under milder conditions allowed us to obtain the expected carboxamide.

Acidic hydrolysis of the nitrile in the presence of 5N hydrochloric acid, repeating the conditions described in J. Heterocyclic Chem., 30, 631 (1993), led to the corresponding carboxylic acid.

The amide may be prepared from the carboxylic acid using 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride as coupling agent in dichloromethane, repeating the conditions described in J. Am. Chem. Soc., 95, 875, (1973).

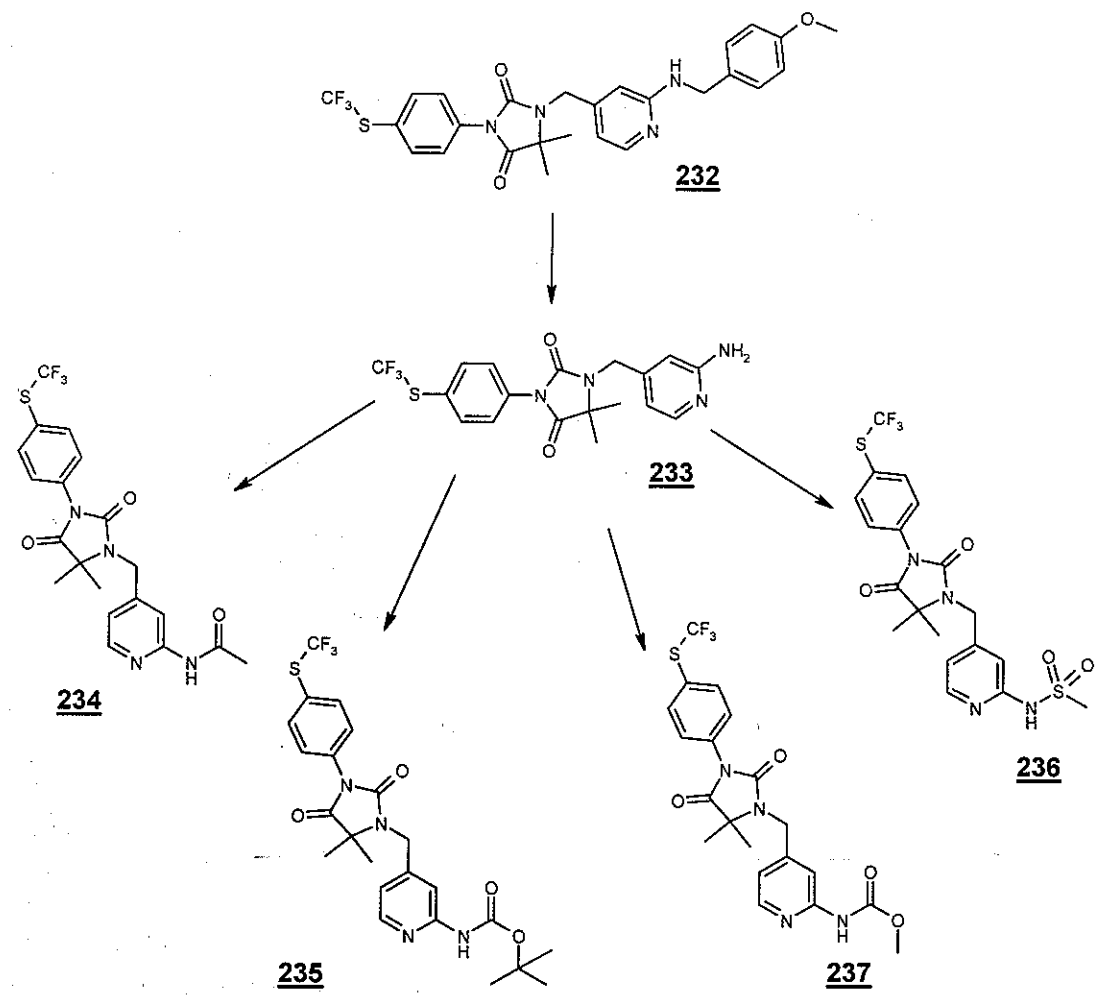
Various amine analogs were obtained by nucleophilic substitution of the chlorointermediate with amines under irradiation in a microwave oven, based on the conditions described in Tetrahedron 2002, 58, 1125.



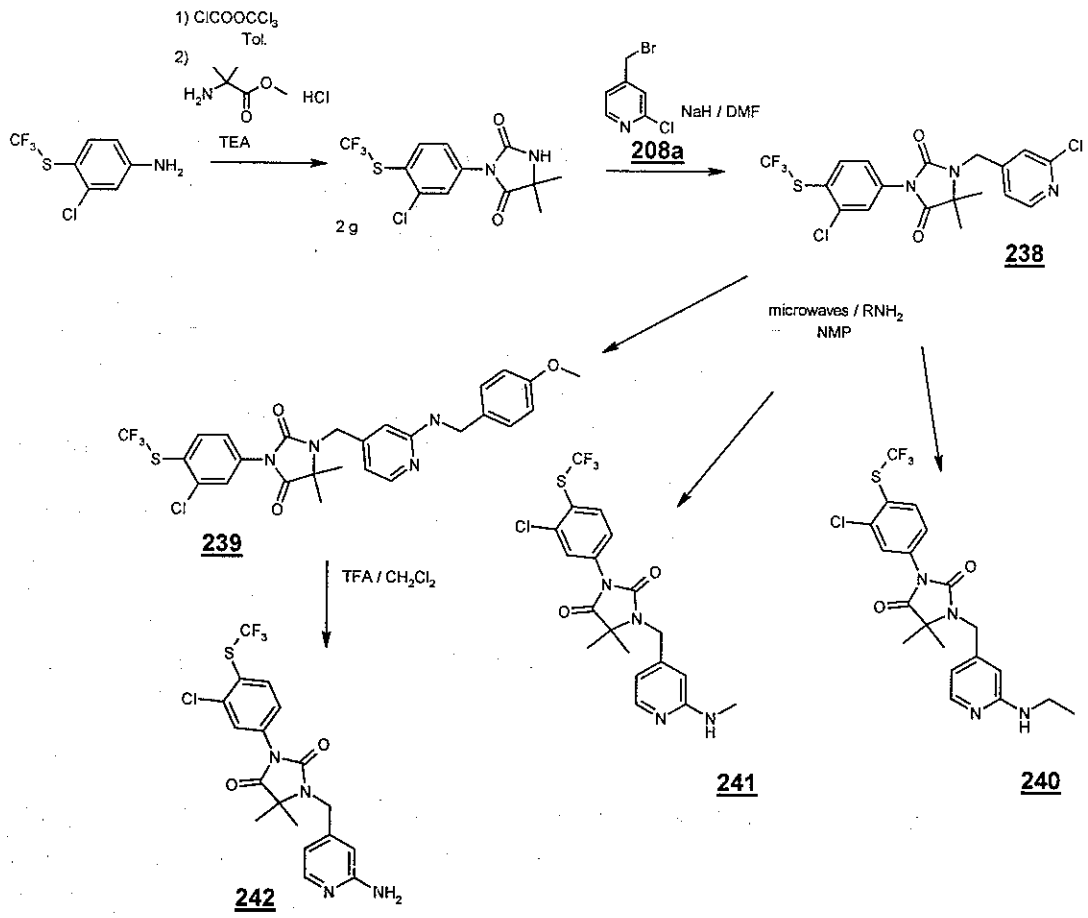
| X | NR1R2 | | NR1R2 | | NR1R2 | |
|---|---|---|---|---|---|---|
| O |  | **220** | | | | |
| S |  | **221** |  | **225** |  | **229** |
| |  | **222** |  | **226** |  | **230** |
| |  | **223** |  | **227** |  | **231** |
| |  | **224** |  | **228** |  | **232** |

The amino analog was obtained by deprotection of the *p* methoxybenzylamine group in the presence of trifluoroacetic acid, based on the conditions described in J. Chem. Soc., Perkin Trans. 1, 2002, 428 433.

This amino derivative allowed access to other chemical functions, for instance the amide function, the carbamate function or the sulfonamide function.

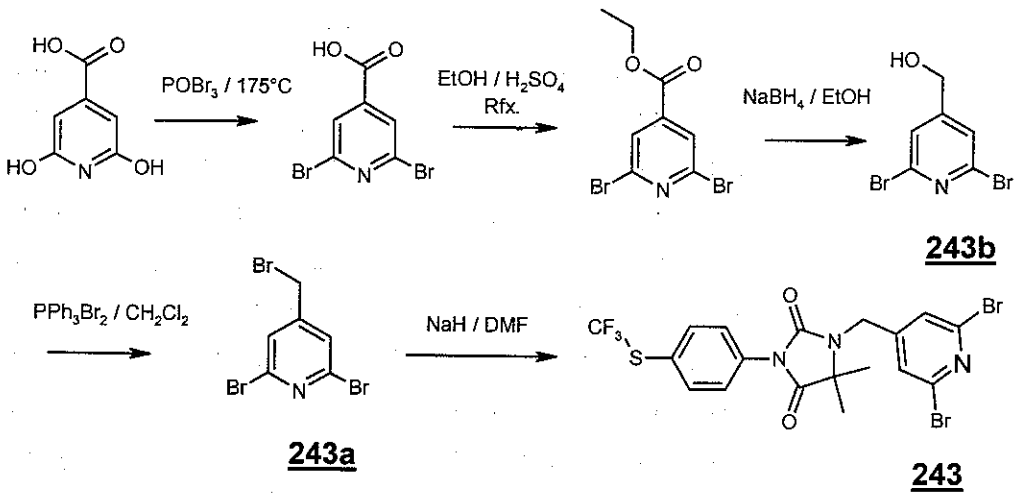



The acetamido derivative was obtained by acylation of the amine derivative in the presence of acetic anhydride, based on the conditions described in Tetrahedron Lett. 2002, 43, 3121. We also prepared the methyl and tert-butyl carbamates on the basis of the conditions described in J. Heterocyclic Chem., 22, 313 (1985) and in J. Org. Chem. 2002, 67, 4965. The amine derivative was also sulfonylated with mesyl chloride, based on the conditions described in J. Med. Chem., 1985, 28, 824.




The above conditions were also used for the synthesis of compounds containing a disubstituted phenyl group.

The hydantoin containing a pyridine nucleus disubstituted in position -2,6 with a bromine atom was prepared using the above conditions, starting with 2,6-dibromo-4-(hydroxymethyl)pyridine described in Synthesis 2000, 1665.




The products may be purified as follows:

Purification by LC/MS

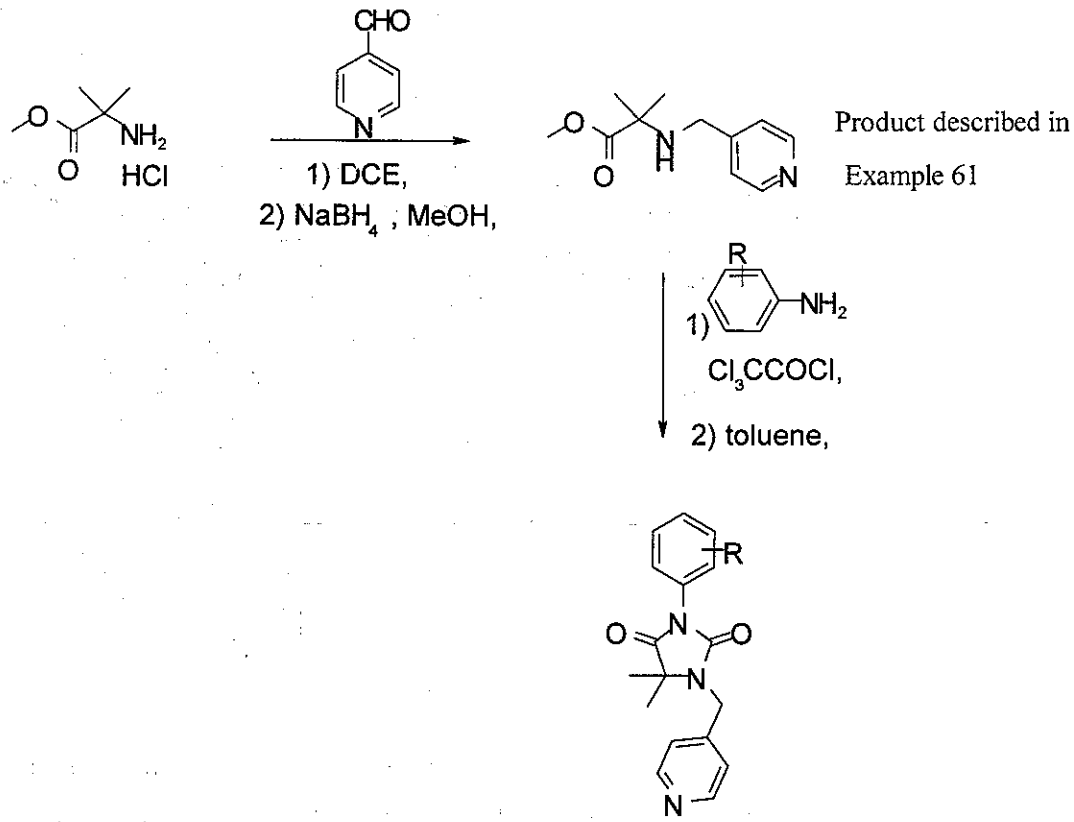
The products may be purified by LC/MS using a Waters FractionLynx system composed of a Waters model 600 gradient pump, a Waters model 515 regeneration pump, a Waters Reagent Manager dilution pump, a Waters model 2700 autoinjector, two Rheodyne model LabPro valves, a Waters model 996 diode array detector, a Waters model ZMD mass spectrometer and a Gilson model 204 fraction collector. The system was controlled by the Waters FractionLynx software. The separation was performed alternatively on two Waters Symmetry columns ($C_{18}$, 5 µM, 19×50 mm, catalog reference 186000210), one column undergoing regeneration with a 95/5 (v/v) water/acetonitrile mixture containing 0.07% (v/v) of trifluoroacetic acid, while the other column was being used for separation. The elution of the columns was performed using a linear gradient of from 5% to 95% of acetonitrile containing 0.07% (v/v) of trifluoroacetic acid in water, at a flow rate of 10 mL/min. At the outlet of the separation column, a thousandth of the effluent is separated with an LC Packing Accurate, diluted with methyl alcohol at a flow

rate of 0.5 mL/min and conveyed to the detectors, in a proportion of 75% to the diode array detector, and the remaining 25% to the mass spectrometer. The rest of the effluent (999/1000) is conveyed to the fraction collector, where the flow is discarded as long as the mass of the expected product is not detected by the FractionLynx software. The molecular formulae of the expected products are supplied to the FractionLynx software, which triggers the collection of the product when the detected mass signal corresponds to the ion $[M+H]^+$ and/or to the $[M+Na]^+$. In certain cases, depending on the analytical LC/MS results, when a strong ion corresponding to $[M+2H]^{++}$ was detected, the value corresponding to half of the calculated molecular mass (MW/2) is also supplied to the FractionLynx software. Under these conditions, the collection is also triggered when the signal for the mass of the ion $[M+2H]^{++}$ and/or $[M+Na+H]^{++}$ is detected. The products were collected in tared glass tubes. After collection, the solvents were evaporated off, in a Savant AES 2000 or Genevac HT8 centrifugal evaporator and the product masses were determined by weighing the tubes after evaporation of the solvents.

The LC/MS analyses were performed on a Micromass model LCT machine connected to an HP 1100 machine. The abundance of the products was measured using an HP G1315A diode array detector over a 200-600 nm wavelength range and a Sedex 65 light scattering detector. The mass spectra were acquired over a range from 180 to 800. The data were analyzed using the Micromass MassLynx software. The separation was performed on a Hypersil BDS C18, 3 µm column (50 × 4.6 mm), eluting with a linear gradient of from 5% to 90% of acetonitrile containing 0.05% (v/v) of trifluoroacetic acid (TFA) in water containing 0.05% (v/v) of TFA, over 3.5 min at a flow rate of 1 mL/min.

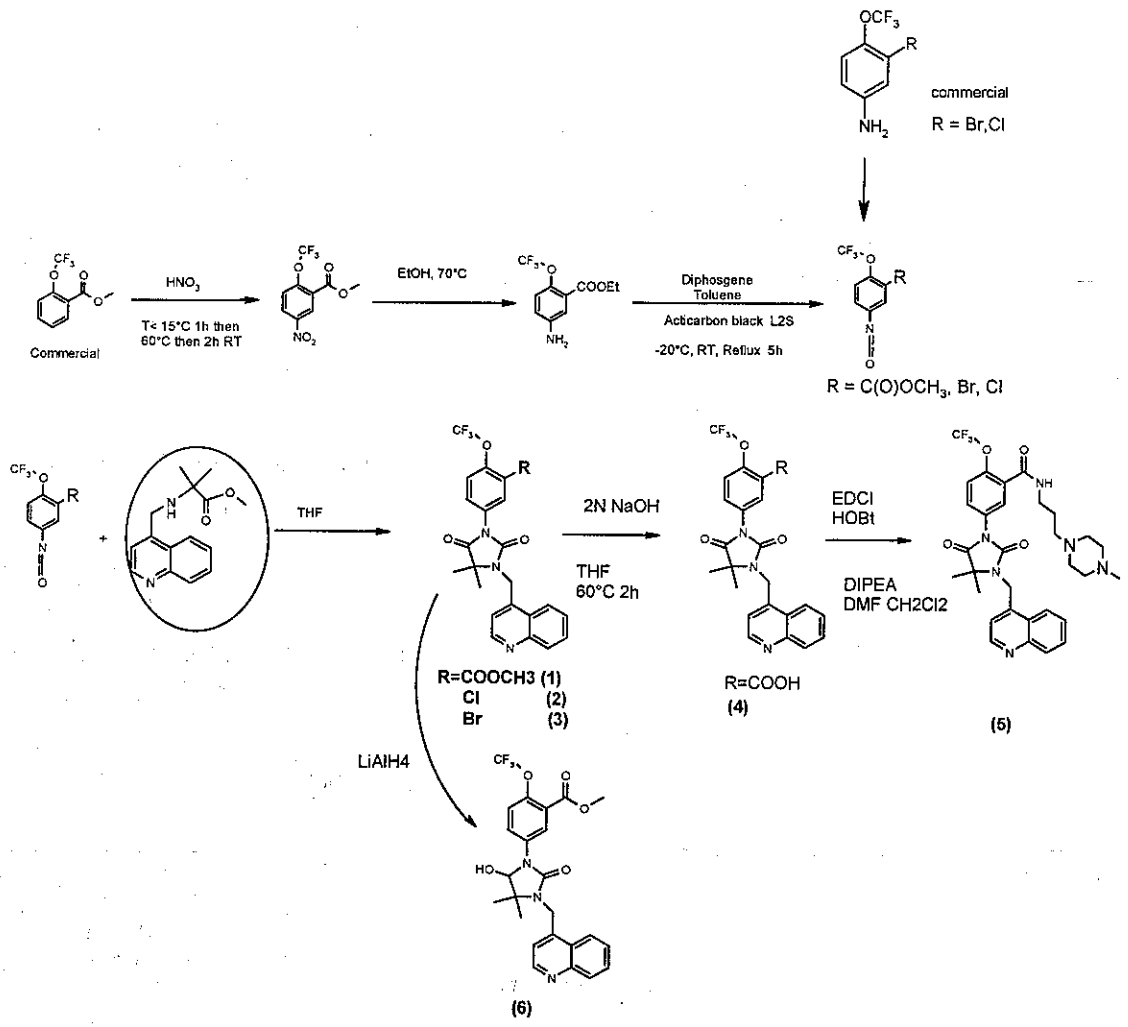
The total analysis time, including the column re-equilibration time, is 7 minutes.

The products of Examples 244 to 255 of the present invention were prepared as indicated in the experimental section and according to the general synthetic route of the scheme below:




The products of Examples 256 to 263 of the present invention were prepared according to reaction Schemes 1 and 2 indicated below in which the figures 1 to 8 correspond, respectively, to Examples 256 to 263: the products of Examples 256 to 261 (i.e. products 1 to 6) were prepared according to Scheme 1 and the two thiohydantoin compounds of Examples 262 and 263 (i.e. products 7 and 8) were prepared according to Scheme 2.

**SCHEME 1**




The nitro compound is prepared by nitration of methyl 2-trifluoromethoxybenzoate by nitration (fuming nitric acid), while controlling the temperature, according to the conditions described in the PCT patent Int. Appl. (2000), 564: WO 0069810.

The corresponding amine is prepared by reduction of the nitro function in the presence of $SnCl_2$ in ethanol according to the same patent.

The isocyanate is prepared by reaction of diphosgene dissolved in toluene at -20°C under the known usual conditions. The isocyanate is reacted with the quinoline

derivative prepared according to the known methods in order to prepare the desired hydantoin.

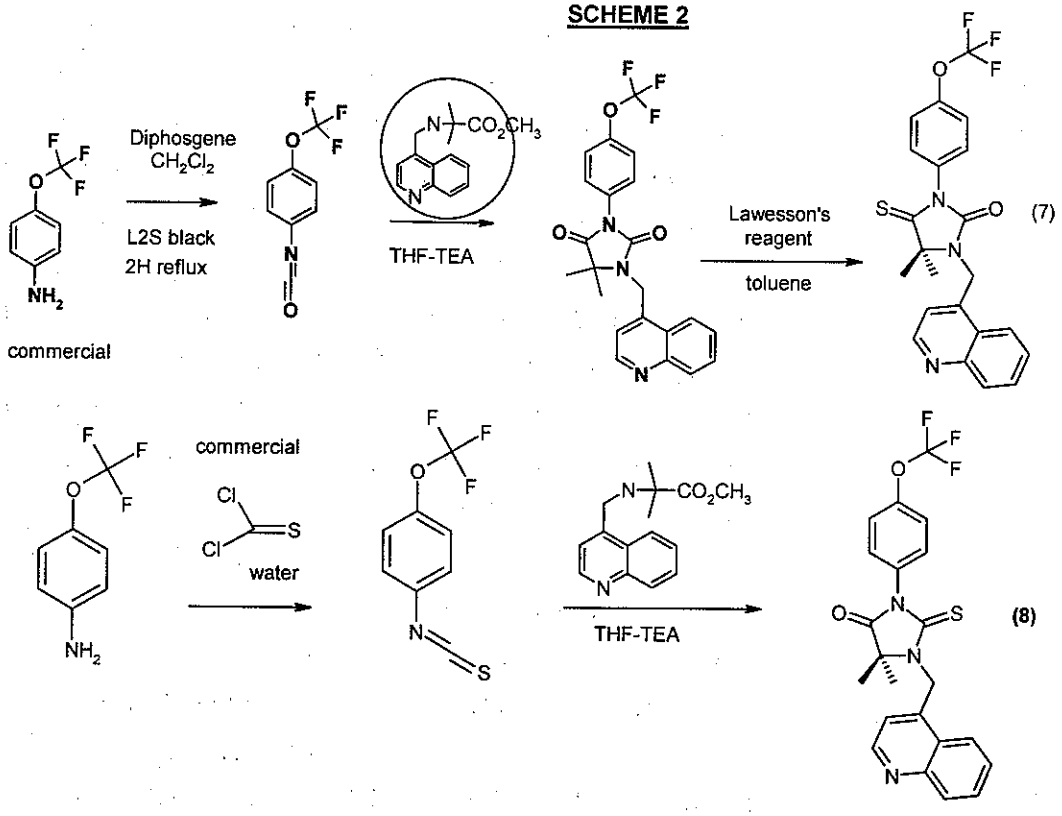
The acid is obtained by saponification using 2N sodium hydroxide in THF at 60°C.

The amide is prepared by coupling of the desired amine using EDCI as coupling agent (standard coupling conditions).

The alcohol is obtained by reduction of the ester in THF in the presence of $LiAlH_4$.

The halo derivatives R = Cl and R = Br are prepared from commercial anilines according to the same synthetic scheme.

**SCHEME 2**



The examples whose preparation follows illustrate the present invention without, however, limiting it

**Example 1 : preparation of (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

2 g (1.02 mmol) of Polystyrene AM RAM (Rink resin) (0.51 mmol/g) are suspended in 20 ml of DMF in a 50 ml syringe fitted with a sinter. After agitation for 10 minutes, the DMF is filtered and replaced with 10 ml of a 20% solution of piperidine in DMF. After agitation for one hour at room temperature, the solution is filtered and the resin washed successively with 3 × 10 ml of DMF, 2 × 10 ml of methanol and 3 × 10 ml of DMF. A solution of 0.94 g of Fmoc-Ala(OH) (3 mmol), 0.41 g of HOBt (3 mmol) and 0.48 ml of DIC (3 mmol) in 10 ml of DMF is added to the resin. The syringe is agitated overnight at room temperature and the resin is then washed successively with 5 × 10 ml of DMF, 3 × 10 ml of MeOH and 5 × 10 ml of DCM. Next, 10 ml of a 20% solution of piperidine in DMF are introduced into the syringe. After agitation for 1 hour, the solution is filtered and the resin washed with 5 × 10 ml of DMF, 2 × 10 ml of MeOH, 3 × 10 ml of DCM and 3 × 10 ml of THF. Next, a solution of 0.79 g of quinoline-4-carboxaldehyde (5.1 mmol) in 10 ml of a 50/50 THF/TEOF mixture is added to the resin. After agitation overnight at room temperature, the solution is filtered and the resin washed with 10 × 10 ml of THF. 0.63 g of sodium cyanoborohydride in a mixture of 1.5 ml of MeOH, 3.5 ml of dichloroethane and 0.1 ml of acetic acid is then added to the resin. The resin is agitated overnight and then, after filtration, washed with 10 × 10 ml of DCM, 3 × 10 ml of MeOH and 5 × 10 ml of DCM.

In parallel, a solution of 0.563 g of 4-(trifluoromethanesulfonyl)aniline (2.5 mmol) is treated with 0.25 g of triphosgene (0.83 mmol), followed by 0.23 ml of

pyridine (2.5 mmol) at 0°C under nitrogen. After the temperature has warmed gradually to room temperature, the reaction is stirred for 2 hours and a further 0.23 ml of pyridine in 1 ml of DMF is added to the mixture. The solution obtained is transferred into the syringe, which is agitated for 2 hours. The solution is then filtered and the resin washed with 5 × 10 ml of DCM, 3 × 10 ml of MeOH and 5 × 10 ml of DCM. Finally, the resin is treated with 5 ml of a 95% solution of trifluoroacetic acid in water. The mixture is agitated for 2 hours and then filtered. The resin is washed with 2 ml of MeOH, followed by 2 ml of DCM. The combined filtrates are evaporated under vacuum. 280 mg of crude product are thus obtained. After purification by preparative LC-MS, 240 mg (overall yield = 41%) of expected product are isolated in the form of a white solid.

EIMS ([M+H]+ : 464

Retention time (RT) = 3.12 min (YMC basic S5 column; 2-85% ACN/H2O gradient over 7 min)

1H NMR (300 MHz) (CDCl3): 1.59(d, 3H); 4.11(t, 1H); 5.01 and 5.55(AB, 2H); 7.70 (d, 1H); 7.89(m, 1H); 7.99(m, 3H); 8.15(m, 2H); 8.30(d, 1H), 8.50(d, 1H); 9.22(d, 1H).

**Example 2 : Preparation of (S)-4-methyl-3-quinol-4-ylmethyl-5-thioxo-1-(4-trifluoromethanesulfonylphenyl)-imidazolidin-2-one trifluoroacetate**

Resin 3, 0.036 mmol, prepared according to Example 1, is used for the preparation of the compound.

33 mg of thiocarbonyldiimidazole (0.18 mmol) are added to a solution of 41 mg of 4-(trifluoromethanesulfonyl)aniline (0.18 mmol) in 3 ml of DCM. The reaction mixture is stirred for 2 hours at room temperature and then added directly to the resin. After stirring for 2 hours, the solution is filtered and the resin is then washed with 5 × 2 ml of DCM, 3 × 5 ml of MeOH and 5 × 2 ml of DCM.

Finally, 2 ml of a 95% solution of TFA in water are added to the resin. After stirring for 2 hours, the mixture is filtered and the resin washed with 1 ml of MeOH and 1 ml of DCM. The combined filtrates are heated at 60°C for 2 hours and then concentrated under vacuum. After purification by preparative LC-MS, 1.8 mg of expected product are isolated.

EIMS [(M+H]+): 480

RT= 4.72 min (YMC basic S5 column; 2-85% ACN/H2O gradient over 7 min)

**Example 3 : Preparation of (S)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.025 mmol of resin, 0.075 mmol of N-Fmoc-L-Ala(OH), 0.125 mmol of 4-pyridinecarboxaldehyde and 0.0625 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.6 mg of expected product are obtained.

EIMS ([M+H]+): 414

RT = 2.72 min

**Example 4 : Preparation of (S)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.025 mmol of resin, 0.075 mmol of N-Fmoc-L-Ala(OH), 0.125 mmol of 4-pyridinecarboxaldehyde and 0.0625 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.3 mg of expected product are obtained.

EIMS ([M+H]+): 382

RT = 2.83 min

**Example 5 : Preparation of (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.025 mmol of resin, 0,075 mmol of N-Fmoc-L-Ala(OH), 0.125 mmol of 4-quinolinecarboxaldehyde and 0.0625 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 0.6 mg of expected product is obtained.

EIMS ([M+H]+): 432

RT = 3.14 min

**Example 6 : Preparation of 1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 4 mmol of resin, 12 mmol of N-Fmoc-Gly(OH), 20 mmol of 4-quinoline-carboxaldehyde, and 10 mmol of 4-(trifluoromethane-sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1 g of expected product is obtained.

EIMS ([M+H]+): 450

RT = 3.20 min

**Example 7 : Preparation of 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazol-idine-2,4-dione trifluoroacetate**

The compound is prepared from 0.25 mmol of resin, 0.75 mmol of Fmoc-AIB-(OH), 1.25 mmol of 4-quinoline-carboxaldehyde and 0.625 mmol of 4-(trifluoromethane-sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 22 mg of expected product are obtained.

EIMS ([M+H]+): 478

RT = 4.26 min

**Example 8 : Preparation of (R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazol-idine-2,4-dione trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 4-quinoline-carboxaldehyde and 0.10 mmol of 4-(trifluoromethane-

sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 10 mg of expected product are obtained.

EIMS ([M+H]+) : 464

RT = 4.36 min

**Example 9 : Preparation of (R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 4-quinolinecarboxaldehyde and 0.10 mmol of 4-(trifluoromethanethio)-aniline, in the same way as in Example 1. After purification by preparative LC-MS, 11 mg of expected product are obtained.

EIMS ([M+H]+): 432

RT = 4.50 min

**Example 10 : Preparation of (R)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.28 mmol of resin, 0.84 mmol of N-Fmoc-D-Ala(OH), 1.4 mmol of 4-pyridinecarboxaldehyde and 0.70 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 105 mg of expected product are obtained.

EIMS ([M+H]+): 414

RT = 2.40 min

**Example 11 : Preparation of (R)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.28 mmol of resin, 0.84 mmol of N-Fmoc-D-Ala(OH), 1.4 mmol of 4-pyridinecarboxaldéhyde and 0.70 mmol of 4-(trifluoromethanethio)-aniline, in the same way as in Example 1. After purification by preparative LC-MS, 91 mg of expected product are obtained.

EIMS ([M+H]+): 382

RT = 2.52 min

**Example 12 : Preparation of (S)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-L-Ala(OH), 0.20 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.10 mmol of 4-(trifluoro-methanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 17 mg of expected product are obtained.

EIMS ([M+H]+): 396

RT = 4.20 min

**Example 13 : Preparation of (S)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonyl-phenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-L-Ala(OH), 0.20 mmol of 3-methyl-4-pyridinecarboxaldehyde, and 0.10 mmol of 4-(trifluoro-methanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 16 mg of expected product are obtained.

EIMS ([M+H]+): 428

RT = 4.07 min

**Example 14 : Preparation of (S)-4-methyl-3-pyrid-4-ylmethyl-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)-imidazolidin-2-one trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-L-Ala(OH), 0.20 mmol of 4-pyridine-carboxaldehyde and 0.10 mmol of 4-(trifluoromethanethio)-aniline, in the same way as in Example 2. After purification by preparative LC-MS, 1.7 mg of expected product are obtained.

EIMS ([M+H]+): 398

RT = 4.51 min

**Example 15 : Preparation of (S)-4-methyl-3-pyrid-4-ylmethyl-5-thioxo-1-(4-trifluoromethanesulfonylphenyl)-imidazolidin-2-one trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-L-Ala(OH), 0.20 mmol of 4-pyridinecarboxaldehyde and 0.10 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 2. After purification by preparative LC-MS, 2.2 mg of expected product are obtained.

EIMS ([M+H]+): 430

RT = 4.34 min

**Example 16 : Preparation of (R)-4-methyl-3-(3-methylpyrid-4-ylmethyl)-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)imidazolidin-2-one trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.10 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 2. After purification by preparative LC-MS, 1.9 mg of expected product are obtained.

EIMS ([M+H]+): 412

RT = 4.60 min

**Example 17 : Preparation of (R)-4-methyl-3-(3-methylpyrid-4-ylmethyl)-5-thioxo-1-(4-trifluoromethylsulfonylphenyl)imidazolidin-2-one trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.10 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 2. After purification by preparative LC-MS, 4.5 mg of expected product are obtained.

EIMS ([M+H]+): 444

RT = 4.41 min

**Example 18 : Preparation of (R)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.10 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 14 mg of expected product are obtained.

EIMS ([M+H]+): 396

RT = 4.22 min

**Example 19 : Preparation of (R)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.10 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 6.3 mg of expected product are obtained.

EIMS ([M+H]+): 428

RT = 4.10 min

**Example 20 : Preparation of (R)-4-methyl-3-quinol-4-ylmethyl-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)-imidazolidin-2-one trifluoroacetate**

The compound is prepared from 0.04 mmol of resin, 0.12 mmol of N-Fmoc-D-Ala(OH), 0.20 mmol of 4-qinoline-carboxaldehyde and 0.10 mmol of 4-(trifluoromethanethio)-aniline, in the same way as in Example 2. After purification by preparative LC-MS, 0.4 mg of expected product is obtained.

EIMS ([M+H]+): 448

RT = 4.89 min

**Example 21 : Preparation of (R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Val(OH), 0.25 mmol of 4-quinoline-carboxaldehyde and 0.125 mmol of 4-(trifluoromethane-

thio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 0.3 mg of expected product is obtained.

RT = 4.01 min

EIMS ([M+H]+): 460

**Example 22 : Preparation of (R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Val(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1 mg of expected product is obtained.

EIMS ([M+H]+): 492

RT = 3.91 min

**Example 23 : Preparation of (R)-5-Benzyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Phe(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 8.9 mg of expected product are obtained.

EIMS ([M+H]+): 508

RT = 4.11 min

**Example 24 : Preparation of (R)-5-Benzyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Phe(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.9 mg of expected product are obtained.

EIMS ([M+H]+) : 540

RT = 4,01 min

**Example 25 : Preparation of (R)-5-Benzyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Phe(OH), 0.25 mmol of 4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 11.1 mg of expected product are obtained.

EIMS ([M+H]+): 490

RT = 3.76 min

**Example 26 : Preparation of (R)-5-isobutyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Leu(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.9 mg of expected product are obtained.

RT = 4,02 min

EIMS ([M+H]+): 506

**Example 27 : Preparation of (R)-5-(4-hydroxy-benzyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Tyr(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.1 mg of expected product are obtained.

EIMS ([M+H]+): 524

RT = 3.75 min

**Example 28 : Preparation of (R)-5-(4-hydroxy-benzyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Tyr(OH), 0.25 mmol of 4-quinoline-carboxaldehyde and 0.125 mmol of 4-(trifluoromethane-sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.8 mg of expected product are obtained.

EIMS ([M+H]+): 556

RT = 3.66 min

**Example 29 : Preparation of (R)-5-(4-hydroxy-benzyl)-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Tyr(OH), 0.25 mmol of 4-pyridine-carboxaldehyde and 0.125 mmol of 4-(trifluoromethane-sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 0.7 mg of expected product is obtained.

EIMS ([M+H]+): 506

RT = 3.48 min

**Example 30 : Preparation of (R)-5-(1-hydroxy-ethyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Thr(OH), 0.25 mmol of 4-quinoline-carboxaldehyde and 0.125 mmol of 4-(trifluoromethane-thio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 4.2 mg of expected product are obtained.

EIMS ([M+H]+): 462

RT = 3.52 min

**Example 31 : Preparation of (R)-5-(1-hydroxy-ethyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Thr(OH), 0.25 mmol of 4-quinoline-carboxaldéhyde and 0.125 mmol of 4-(trifluoromethane-sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 3.4 mg of expected product are obtained.

EIMS ([M+H]+): 494

RT = 3.43 min

**Example 32 : Preparation of 4-quinol-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]hept-ane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 4-quinoline-carboxaldehyde and 0.125mmol of 4-(trifluoromethane-thio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 7.5 mg of expected product are obtained.

EIMS ([M+H]+): 444

RT = 3.68 min

**Example 33 : Preparation of 4-quinol-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]-heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 4-quinoline-carboxaldehyde and 0.125 mmol of 4-(trifluoromethane-sulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 3.8 mg of expected product are obtained.

EIMS ([M+H]+): 476

RT = 3.60 min

**Example 34 : Preparation of 4-pyrid-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.7 mg of expected product are obtained.

EIMS ([M+H]+): 394

RT = 3.43 min

**Example 35 : Preparation of 4-pyrid-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate,**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 4-pyridinecarboxaldehyde, and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.4 mg of expected product are obtained.

EIMS ([M+H]+): 426

RT = 3.35 min

**Example 36 : Preparation of (R)-5-benzo[b]thiophen-3-ylmethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-benzothienylAla(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5 mg of expected product are obtained.

EIMS ([M+H]+): 596

RT = 4.12 min

**Example 37 : Preparation of (R)-5-benzo[b]thiophen-3-ylmethyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-benzothienylAla(OH), 0.25 mmol of 4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.4 mg of expected product are obtained.

EIMS ([M+H]+): 514

RT = 3.35 min

**Example 38 : Preparation of (R)-5-benzo[b]thiophen-3-ylmethyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-benzothienylAla(OH), 0.25 mmol of 4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 8.5 mg of expected product are obtained.

EIMS ([M+H]+): 546

RT = 3.90 min

**Example 39 : Preparation of (S)-5-pyrid-2-ylmethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-2-pyridine-Ala(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 7.5 mg of expected product are obtained.

EIMS ([M+H]+): 509

RT = 3.47 min

**Example 40 : Preparation of (S)-5-pyrid-2-ylmethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-2-pyridine-Ala(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.6 mg of expected product are obtained.

EIMS ([M+H]+): 541

RT = 3.41 min

**Example 41 : Preparation of (R)-1-(3-hydroxypyrid-4-ylmethyl)-5-methyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of N-Fmoc-D-Ala(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 8.3 mg of expected product are obtained.

EIMS ([M+H]+): 398

RT = 4.26 min

**Example 42 : Preparation of 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethoxy)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.5 mg of expected product are obtained.

EIMS ([M+H]+): 430

RT = 4.33 min

**Example 43 : Preparation of 5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 4-quinolinecarboxaldehyde, and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 9.4 mg of expected product are obtained.

EIMS ([M+H]+): 446

RT = 4.58 min

**Example 44 : Preparation of 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethoxy)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.5 mg of expected product are obtained.

EIMS ([M+H]+): 394

RT = 4.06 min

**Example 45 : Preparation of 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 13.1 mg of expected product are obtained.

EIMS ([M+H]+): 410

RT = 4.30 min

**Example 46 : Preparation of 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonyl-phenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 9.6 mg of expected product are obtained.

EIMS ([M+H]+): 442

RT = 4.18 min

**Example 47 : Preparation of 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethoxy)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 6.9 mg of expected product are obtained.

EIMS ([M+H]+): 394

RT = 4.15 min

**Example 48 : Preparation of 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 9.7 mg of expected product are obtained.

EIMS ([M+H]+): 412

RT = 4.39 min

**Example 49 : Preparation of 1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-AIB-(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 15.2 mg of expected product are obtained.

EIMS ([M+H]+): 444

RT = 4.30 min

**Example 50 : Preparation of 4-quinol-4-ylmethyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 4-quinolinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethoxy)-aniline, in the same way as in Example 1. After purification by preparative LC-MS, 4.1 mg of expected product are obtained.

EIMS ([M+H]+): 428

RT = 4.24 min

**Example 51 : Preparation of 4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethoxy)-aniline, in the same way as in Example 1. After purification by preparative LC-MS, 3 mg of expected product are obtained.

EIMS ([M+H]+): 392

RT = 3.95 min

**Example 52 : Preparation of 4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]-heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5 mg of expected product are obtained.

EIMS ([M+H]+): 408

RT = 4.24 min

**Example 53 : Preparation of 4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]-heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 3-methyl-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 1.9 mg of expected product are obtained.

EIMS ([M+H]+): 440

RT = 4.11 min

**Example 54 : Preparation of 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro-[2.4]heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethoxy)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 5.5 mg of expected product are obtained.

EIMS ([M+H]+): 394

RT = 4.04 min

**Example 55 : Preparation of 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanethio)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 0.7 mg of expected product is obtained.

EIMS ([M+H]+): 410

RT = 4.34 min

**Example 56 : Preparation of 4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate**

The compound is prepared from 0.05 mmol of resin, 0.15 mmol of Fmoc-ACPC-(OH), 0.25 mmol of 3-hydroxy-4-pyridinecarboxaldehyde and 0.125 mmol of 4-(trifluoromethanesulfonyl)aniline, in the same way as in Example 1. After purification by preparative LC-MS, 2.5 mg of expected product are obtained.

EIMS ([M+H]+): 442

RT = 4.17 min

**Example 57 : Preparation of 5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)dihydropyrimidine-2,4-dione**

588 mg (1 mmol) of Wang polystyrene resin (1.7 mmol/g) are washed with 2 × 5 ml of DMF, 1 × 5 ml of DCM and then treated with a solution of 0.49 g of N-Fmoc-3-amino-2-(R,S)-methyl-propionic acid (1.5 mmol), 0.24 g of pyridine (3 mmol) in 5 ml of DMF, immediately followed by 0.31 g of 2,6-dichlorobenzoyl chloride (dropwise addition to control the exothermicity). The reaction mixture is stirred overnight at room temperature. The mixture is filtered and the resin is then washed with 1 × 5 ml of DMF, 1 × 5 ml of DCM and 2 × 5 ml of DMF and then treated with 5 ml of a 10% solution of piperidine in

DMF. The resin is then washed with 2 × 5 ml of DMF, 1 × 5 ml of DCM, 1 × 5 ml of DMF, 1 × 5 ml of DMF, 4 × 5 ml of DCM, 4 × 5 ml of MeOH and dried under vacuum. 0.94 g of 4-quinolinecarboxaldehyde (6 mol) in 16 ml of a 50/50 mixture of THF/TMOF is added to the resin, which is stirred overnight. The resin is then washed 3 times with 5 ml of the same THF/TMOF mixture and then treated with 12 ml of a 1M solution of sodium cyanoborohydride in THF (12 mmol) in the presence of 1.2 ml of MeOH and 0.12 ml of acetic acid. After stirring overnight at room temperature, the resin is washed with 1 × 5 ml of THF, 4 × 5 ml of a 30% solution of acetic acid in DMF, 1 × 5 ml of MeOH, 1 × 5 ml of THF, 1 × 5 ml of DMF, 1 × 5 ml of THF, 1 × 5 ml of MeOH and dried under vacuum.

In parallel, 0.121 g of triphosgene (0.41 mmol) in 1 ml of DCM is added dropwise to a solution of 0.281 g of 4-(trifluoromethanesulfonyl)aniline (1.25 mmol) and 0.1 g of pyridine (1.25 mmol) in 2 ml of DCM. After stirring for 15 minutes at room temperature, the same amount of pyridine is added, followed by the resin previously prepared. The mixture is stirred overnight and then filtered. The resin is washed with 1 × 5 ml of MeOH, 1 × 5 ml of THF, 1 × 5 ml of MeOH, 1 × 5 ml of DMF, 1 × 5 ml of THF, 1 × 5 ml of MeOH and 3 × 5 ml of THF and dried under vacuum. The resin is then treated with 154 mg of DBU (1 mmol) in 5 ml of DCM and stirred overnight. Finally, the dihydrouracil is obtained by treating the resin with 5 ml of 2% solution of acetic acid in THF. After purification by preparative HPLC, 90 mg of expected product are isolated.

EIMS ([M+H]+): 477

RT = 1.83 min (20-100% ACN/H2O gradient over 5 minutes)

**Example 58 : (S)-5-Methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

This example describes a novel preparation of Example 5 above.

A mixture of 0.71 g of ethyl (S)-2-[(quinol-4-ylmethyl)amino]propanoate and 1.42 g of 4-(trifluoromethanesulfanylphenyl) isocyanate in 15 ml of THF is stirred for 15 hours at room temperature under an argon atmosphere. After evaporating off the solvent under reduced pressure, 20 ml of dichloromethane are added. The precipitate is filtered off. The filtrate is concentrated under reduced pressure and the residue is purified by flash chromatography (SiO2, CH2Cl2 and then CH2Cl2/MeOH, 95/5 by volume as eluent, Ar). 0.69 g of (S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione is isolated in the form of a white powder.

[α]D= -33.1° +/- 0.8° (MeOH)

Mass: EI m/z = 431 M+. base peak

m/z = 143 [C10H9N]+.

1H NMR spectrum (400 MHz, (CD3)2SO d6, δ in ppm) : 1.42 (d, J = 5.5 Hz : 3H) ; 4.35 (q, J = 5.5 Hz: 1H) ; 5.08 (d, J = 17 Hz : 1H) ; 5.25 (d, J = 17 Hz : 1H) ; 7.65 (d, J = 5 Hz : 1H) ; from 7.65 to 7.75 (mt : 1H) ; 7.70 (d, J = 8.5 Hz : 2H) ; 7.83 (broad t, J = 8 Hz : 1H) ; 7.89 (d, J = 8.5 Hz : 2H) ; 8.10 (broad d, J = 8.5 Hz : 1H) ; 8.25 (broad d, J = 8.5 Hz : 1H) ; 8.90 (d, J = 5Hz : 1H).

Ethyl (S)-2-[(quinol-4-ylmethyl)amino]propanoate (P-31397-073-1)

A mixture of 2 g of L-alanine ethyl ester in hydrochloride form and 1.83 ml of triethylamine in 30 ml of dichloromethane is stirred at room temperature for 10 minutes. Next, 2.05 g of quinoline-4-carbaldehyde are added. The reaction medium is stirred at room temperature for 15 hours and then concentrated under reduced pressure. 35 ml of ethanol are then added; the solution is cooled to 0°C and 0.49 g of sodium borohydride is then added portionwise. Stirring is continued for 15 hours at room temperature. The precipitate formed is filtered off; the filtrate is concentrated under reduced pressure. The

residue is purified by flash chromatography on a column (SiO2, CH2Cl2/MeOH, 95/5 by volume as eluent, Ar). 0.71 g of ethyl (S)-2-[(quinol-4-ylmethyl)amino]propanoate is obtained in the form of a pink oil.

Mass: EI m/z = 258 M+.

m/z = 185 [M - COOCH2CH3]+ base peak

m/z = 142 [C10H8N]+

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.22 (t, J = 7 Hz : 3H) ; 1.28 (d, J = 7 Hz : 3H) ; 2.72 (unresolved peak : 1H) ; 3.42 (mt : 1H) ; from 4.00 to 4.20 (mt : 1H) ; 4.13 (q, J = 7 Hz : 2H) ; 4.27 (broad d, J = 16 Hz : 1H) ; 7.55 (broad d, J = 5 Hz : 1H) ; 7.64 (ddd, J = 8.5 - 7.5 and 1 Hz : 1H) ; 7.77 (ddd, J = 8.5 - 7.5 and 1 Hz : 1H) ; 8.04 (broad d, J = 8.5 Hz : 1H) ; 8.22 (broad d, J = 8.5 Hz : 1H) ; 8.86 (d, J = 5 Hz : 1H).

**Example 59 : 5,5-Dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione :**

**This example describes a novel preparation of Example 42 above.**

The product is prepared according to the procedure described in Example 58 with 600 mg of methyl 2-methyl-2-[(quinol-4-ylmethyl)amino]propanoate instead of ethyl (S)-2-[(quinol-4-ylmethyl)amino]propanoate used in Example 58 and 1.114 g of 4-(trifluoromethoxyphenyl) isocyanate instead of 4-(trifluoromethanesulfanylphenyl) isocyanate used in Example 58. After purification by flash chromatography on a column (SiO2, CH2Cl2 as eluant, Ar) and then a second purification by flash chromatography on a column (SiO2, 60/40 cyclohexane/EtOAc by volume as eluent, Ar), 710 mg of the desired product are obtained.

Mass: EI m/z = 429 M+. base peak

m/z = 414 [M - CH3]+

m/z = 359 [M - C4H6O]+.

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.46 (s : 6H) ; 5.16 (s : 2H) ; 7.55 (broad d, J = 8.5 Hz : 2H) ; 7.65 (d, J = 5 Hz : 1H) ; 7.69 (d, J = 8.5 Hz : 2H) ; 7.70 (mt : 1H) ; 7.83 (ddd, J = 8 - 7.5 and 1.5 Hz : 1H) ; 8.09 (broad d, J = 8.5 Hz : 1H) ; 8.27 (broad d, J = 8.5 Hz : 1H) ; 8.88 (d, J = 5 Hz : 1H).

Preparation of methyl 2-((quinol-4-ylmethyl)amino)-propanoate

A mixture of 1.5 g of methyl α-aminoisobutyrate hydrochloride and 1.4 ml of triethylamine in 30 ml of dichloromethane is stirred at 0°C for 20 minutes. Next, 1 g of magnesium sulfate and 1.5 g of quinoline-4-carbaldehyde are added. Stirring is continued for 15 hours at room temperature and the mixture is then concentrated under reduced pressure. The residue is taken up in 35 ml of methanol and the solution obtained is cooled to 0°C. 0.4 g of sodium borohydride is added portionwise and stirring is continued at room temperature for 15 hours. The precipitate formed is filtered and the filtrate is concentrated under reduced pressure. The residue obtained is purified by recrystallization from diisopropyl ether. 600 mg of expected product are obtained in the form of a pink oil.

Mass: DCI m/z = 259 [M+H]+

m/z = 199 [M+H- HCOOCH3]+

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.36 (s : 6H) ; 2.68 (broad t, J = 7 Hz : 1H) ; 3.69 (s : 3H) ; 4.11 (d, J = 7 Hz : 2H) ; 7.60 (broad d, J = 5 Hz : 1H) ; 7.63 (ddd, J = 9 - 8.5 and 1 Hz : 1H) ; 7.76 (ddd, J = 9 - 8.5 and 1 Hz : 1H) ; 8.03 (broad d, J = 8.5 Hz : 1H) ; 8.20 (broad d, J = 8.5 Hz : 1H) ; 8.85 (d, J = 5 Hz : 1H).

**Example 60 : 5,5-dimethyl-1-(3-chloro-6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

The product is prepared according to the procedure described in Example 59, starting with 180 mg of methyl 2-methyl-2-[(3-chloro-6-methoxyquinol-4-ylmethyl)amino]-propanoate instead of methyl 2-methyl-2-[(quinol-4-ylmethyl)amino]propanoate used in Example 59 and 267 mg of 4-(trifluoromethoxy)phenyl isocyanate. After purification by flash chromatography on a column (SiO2, 80/20 cyclohexane/EtOAc by volume as eluent, Ar), 137 mg of the expected product are obtained.

Mass: EI m/z = 493 M+. isotopic band of the peak monochloro m/z = 458 [M - Cl]+ base peak

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.27 (s : 6H) ; 3.89 (s : 3H) ; 5.27 (s : 2H) ; 7.48 (dd, J = 9 and 3 Hz : 1H) ; 7.56 (broad d, J = 8.5 Hz : 2H) ; 7.68 (dt, J = 8.5 and 2 Hz : 2H) ; 7.79 (d, J = 3 Hz : 1H) ; 8.01 (d, J = 9 Hz : 1H) ; 8.80 (s : 1H).

Preparation of methyl 2-methyl-2-[(3-chloro-6-methoxyquinol-4-ylmethyl)amino]propanoate (P-31397-099-1)

The product is prepared according to the procedure described in Example 59, starting with 1 g of methyl α-aminoisobutyrate hydrochloride, 1.25 g of (3-chloro-6-methoxy)quinoline-4-carbaldehyde instead of quinoline-4-carbaldehyde used in Example 59, 0.66 g of triethylamine and 250 mg of sodium borohydride. After purification by flash chromatography (SiO2, 70/30 cyclohexane/EtOAc by volume as eluent, Ar), 180 mg of the expected product are obtained.

Mass: EI m/z = 322 M+. isotopic band of the peak monochloro m/z = 263[M-COOCH3]+ base peak

isotopic band of the monochloro peak m/z = 206 [M-C5H10O2N]+

isotopic band of the monochloro peak

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.39 (s : 6H) ; 2.47 (broad t, J = 7.5 Hz : 1H) ; 3.74 (s : 3H) ; 3.98 (s : 3H) ; 4.04 (d, J = 7.5 Hz : 2H) ; 7.46 (dd, J = 9 and 3 Hz : 1H) ; 7.66 (d, J = 3 Hz : 1H) ; 7.97 (d, J = 9 Hz : 1H) ; 8.71 (s : 1H).

Preparation of (3-chloro-6-methoxyquinoline)-4-carbaldehyde (P-31397-097-1)

A solution of 2 g of 4-bromo-3-chloro-6-methoxyquinoline in 50 ml of THF is cooled to -78°C. 6.9 ml of a 1.6 M solution of nBuLi in dioxane are added. The solution is stirred for 2 hours at this temperature and 1.7 ml of DMF are then added. The mixture is stirred at -60°C for 2 hours 30 minutes and the reaction medium is then allowed to warm to room temperature. 200 ml of water are then added. The organic phase is extracted with 200 ml of ethyl acetate, washed with 5 × 200 ml of water, dried over magnesium sulfate and concentrated under reduced pressure. The residue obtained is purified by flash chromatography on a column (SiO2, 80/20 cyclohexane/EtOAc by volume as eluent, Ar). 1.2 g of the expected product are obtained in the form of a yellow powder.

Mass: EI m/z = 221 M+. base peak, isotopic band of the monochloro

m/z = 193 [M-CO]+. isotopic band of the monochloro peak

m/z = 150 [M-C3H3O2]+ isotopic band of the monochloro peak

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 3.96 (s : 3H) ; 7.56 (dd, J = 9 and 3 Hz : 1H) ; 8.07 (d, J = 9 Hz : 1H) ; 8.22 (d, J = 3 Hz : 1H) ; 8.93 (s : 1H) ; 10.77 (s : 1H).

Preparation of 4-bromo-3-chloro-6-methoxyquinoline is described in French patent FR 2 816 618 in Example 1.

**Example 61 : 5,5-Dimethyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.764 g of 4-(trifluoromethanesulfanylphenyl) isocyanate is added to a solution of 0.726 g of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propanoate in 10 ml of tetrahydrofuran. The reaction medium is stirred under an argon atmosphere for about 3 days at a temperature in the region of 20°C. The reaction mixture is taken up in ethyl acetate, washed successively with water and then with saturated sodium chloride solution. The organic phase is dried over magnesium sulfate and then concentrated under reduced pressure. The residue thus obtained is purified by flash chromatography on an AIT cartridge of reference FC-50SI filled with 50 g of silica conditioned and eluted with dichloromethane at a flow rate of 10 ml per minute. The fractions between 100 and 280 ml are concentrated under reduced pressure, the residue obtained is taken up in ethyl ether and the insoluble material is filtered off. 700 mg of 5,5-dimethyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione are thus obtained in the form of a white powder, the characteristics of which are as follows:

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.43 (s : 6H) ; 4.66 (s : 2H) ; 7.44 (broad d, J = 6 Hz : 2H) ; 7.69 (d t, J = 8.5 and 2.5 Hz : 2H) ; 7.87 (broad d, J = 8.5 Hz : 2H) ; 8.55 (dd, J = 6 and 1.5 Hz : 2H).

Mass IE m/z=395 M+. base peak

m/z=380 (M-CH3)+

m/z=219 C8H4NOSF3+.

m/z=92 C6H6N+

Preparation of methyl 2-methyl-2-[(pyrid-4-ylmethyl)-amino]propanoate (P-31402-151-1)

1.04 ml of triethylamine and then 0.659 g of pyridine-4-carbaldehyde are successively added to a solution of 0.945 g of methyl α-aminoisobutyrate

hydrochloride in 28 ml of dichloroethane. The reaction mixture is stirred overnight at a temperature in the region of 20°C. The mixture is purified by filtration on Merck Lichroprep aminopropyl-grafted silica. The filtrate is concentrated under reduced pressure and the residue thus obtained is taken up 25 ml of methanol, 0.372 g of sodium borohydride is added. The reaction mixture is stirred for 48 hours at a temperature in the region of 20°C and then poured into a mixture of a normal solution of sodium hydroxide/ice. The mixture obtained is extracted three times with ethyl acetate. The organic phase is dried over magnesium sulfate and then concentrated under reduced pressure. 0.726 g of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propanoate is thus obtained in the form of an oil, the characteristics of which are as follows:

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.27 (s : 6H) ; 2.69 (broad t, J = 5 Hz : 1H) ; 3.64 (s : 3H) ; 3.65 (d, J = 5 Hz: 2H) ; 7.35 (broad d, J = 6 Hz : 2H) ; 8.47 (dd, J = 6 and 1.5 Hz : 2H).

Mass IC m/z=209 MH+ base peak

m/z=149 (M-C2H4O2)+

**Example 62 : 1-Pyrid-4-ylmethyl-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.087 g sodium hydride is added to a solution of 0.300 g of 3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 6 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, 0.152 ml of triethylamine and 0.274 g of 4-(bromomethyl)pyridine hydrobromide are successively added, followed by addition of ice-water 10 minutes later. The reaction mixture is placed on a cartridge 37 mm in diameter packed with 50 g of Amicon 50 µm octadecyl-grafted silica of ref. conditioned successively with a water/acetonitrile

mixture (5/95, v/v) and then a water/acetonitrile mixture (95/5, v/v). The elution was performed with a water/acetonitrile mixture (95/5, v/v) over 20 minutes, followed by a linear gradient from 5% to 95% of acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions between 580 and 630 ml are concentrated under reduced pressure. 0.220 g of 1-pyrid-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white powder, the characteristics of which are as follows:

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 4.16 (s : 2H) ; 4.65 (s : 2H) ; 7.42 (broad d, J = 6 Hz : 2H) ; 7.64 (broad d, J = 8.5 Hz : 2H) ; 7.87 (broad d, J = 8.5 Hz : 2H) ; 8.57 (broad d, J = 6 Hz : 2H).

Mass IE m/z=367 M+. base peak

m/z=219 C8H4NOSF3+.

m/z=92 C6H6N+

The compound 3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is described in patent US 4 496 575.

**Example 63 : 5,5-Dimethyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

0.042 g of sodium hydride is added to a solution of 0.150 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione in 3 ml of anhydrous dimethylformamide, under an inert atmosphere of argon and at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, 0.094 ml of triethylamine and 0.132 g of 4-(bromomethyl)pyridine hydrobromide are successively added, followed by addition of ice-water 10 minutes later. The reaction mixture is placed on a cartridge 27 mm in diameter packed with 30 g of Amicon 50 µm octadecyl-grafted silica conditioned successively with a water/acetonitrile mixture (5/95, v/v) and then a water/acetonitrile mixture (95/5, v/v). The elution was performed with a water/acetonitrile mixture (95/5, v/v) over 20 minutes, followed by a linear

gradient from 5% to 95% of acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions between 300 and 450 ml are concentrated under reduced pressure. 0.1 g of mixture is thus obtained, which is repurified on a cartridge of 37 mm in diameter packed with 50 g of Amicon 50 µm octadecyl-grafted silica of ref. conditioned successively with a water/acetonitrile mixture (5/95, v/v) and then a water/acetonitrile mixture (95/5, v/v). The elution was performed with a water/acetonitrile mixture (95/5, v/v) over 20 minutes, followed by a linear gradient from 5% to 95% of acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions between 550 and 750 ml are concentrated under reduced pressure. 0.060 g of 5,5-dimethyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.42 (s : 6H) ; 4.65 (s : 2H) ; 7.44 (broad d, J = 6 Hz : 2H) ; 7.53 (broad d, J = 8.5 Hz : 2H) ; 7.64 (dt, J = 8.5 and 2.5 Hz : 2H) ; 8.54 (broad d, J = 6 Hz : 2H).

Mass IE m/z=379 M+. base peak

m/z=364 (M-CH3)+

m/z=203 C8H4NO2F3+.

m/z=92 C6H6N+

<u>Preparation of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione</u>

A solution of 7.08 g of 4-trifluoromethoxyaniline in 50 ml of toluene is added over 15 minutes to a suspension of 8.7 g of diphosgene and 1 g of plant charcoal in 100 ml of toluene, at a temperature in the region of -20°C. The mixture is stirred until the temperature is in the region of 20°C, and then refluxed for 3 hours. The mixture is cooled to a temperature in the region of 20°C and then filtered through Celite, 5 g of methyl α-aminoisobutyrate hydrochloride, 50 ml of toluene and 10 ml of triethylamine are added to the filtrate. The

mixture thus obtained is refluxed for 16 hours and then cooled to a temperature in the region of 20°C. The precipitate is filtereed off and the filtrate is concentrated under reduced pressure, the residue obtained is purified by flash chromatography on a column packed with silica, conditioned and then eluted with a cyclohexane/ethyl acetate mixture (50/50, v/v). The fractions containing the expected product are concentrated under reduced pressure, and 3.4 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione are thus obtained, the characteristics of which are as follows:

Mass IE m/z=288 M+. base peak

m/z=273 (M-CH3)+

m/z=203 C8H4NO2F3+.

1H NMR spectrum (300 MHz, (CD3)2SO d6, δ in ppm) : 1.42 (s : 6H) ; 7.49 (d, J = 9 Hz : 2H) ; 7.55 (d, J = 9 Hz : 2H) ; 8.63 (unresolved peak : 1H).

**Example 64: Preparation of 3-[4-(pentafluorothio)-phenyl]-5,5-dimethyl-1-quinolin-4-ylmethylimidazolidine-2,4-dione trifluoroacetate.**

The compound is prepared from 0.16 mmol of resin, 0.48 mmol of Fmoc-AIB-(OH), 1.12 mmol of 4-quinoline-carboxaldehyde and 0.4 mmol of 4-(pentafluorothio)-aniline, in the same manner as in Example 1. After purification by preparative LC-MS chromatography, 5 mg of the expected product are obtained.

EIMS ($[M+H]^+$): 472

**Example 65: Preparation of 3-[4-(pentafluorothio)-phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.16 mmol of resin, 0.48 mmol of Fmoc-AIB-(OH), 1.12 mmol of 4-pyridine-carboxaldehyde and 0.4 mmol of 4-(pentafluorothio)-aniline, in the same manner as in Example 1. After

purification by preparative LC-MS chromatography, 13.2 mg of the expected product are obtained.

EIMS ($[M+H]^+$): 422

**Example 66: Preparation of 3-[4-(pentafluorothio)-phenyl]-1-quinolin-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.1 mmol of resin, 0.3 mmol of N-Fmoc-Gly-(OH), 0.5 mmol of 4-quinoline-carboxaldehyde and 0.25 mmol of 4-(pentafluorothio)-aniline, in the same manner as in Example 1. After purification by preparative LC-MS chromatography, 18 mg of the expected product are obtained.

EIMS ($[M+H]^+$): 444

**Example 67: Preparation of 3-[4-(pentafluorothio)-phenyl]-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.1 mmol of resin, 0.3 mmol of N-Fmoc-Gly-(OH), 0.5 mmol of 4-quinoline-carboxaldehyde and 0.25 mmol of 4-(pentafluorothio)aniline, in the same manner as in Example 1. After purification by preparative LC-MS chromatography, 18 mg of the expected product are obtained.

EIMS ($[M+H]^+$): 394

**Example 68: Preparation of 3-[4-(pentafluorothio)-phenyl]-1-pyrid-2-ylmethylimidazolidine-2,4-dione trifluoroacetate**

The compound is prepared from 0.1 mmol of resin, 0.3 mmol of N-Fmoc-Gly-(OH), 0.5 mmol of 4-quinoline-carboxaldehyde and 0.25 mmol of 4-(pentafluorothio)-aniline, in the same manner as in Example 1. After purification by preparative LC-MS chromatography, 9 mg of the expected product are obtained.

EIMS ($[M+H]^+$): 394

**Example 69: Preparation of 3-[4-(pentafluorothio)-phenyl]-1-pyrid-3-ylmethylimidazolidine-2,4-dione trifluoroacetate**

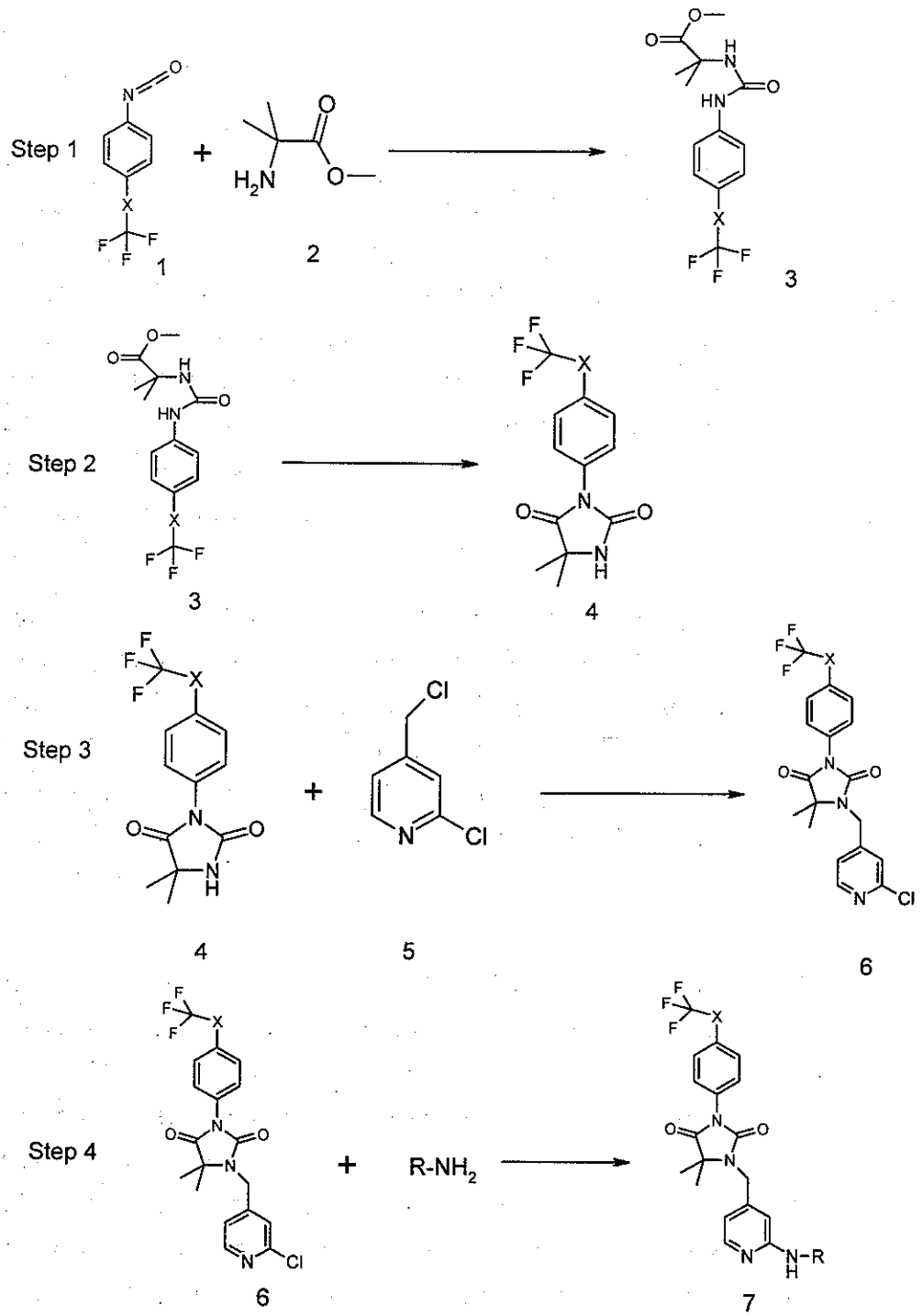
The compound is prepared from 0.2 mmol of resin, 0.6 mmol of N-Fmoc-Gly-(OH), 1 mmol of 4-quinolinecarboxaldehyde and 0.5 mmol of 4-(pentafluorothio)-aniline, in the same manner as in Example 1. After purification by preparative LC-MS chromatography, 42 mg of the expected product are obtained.

EIMS ($[M+H]^+$): 394

The 6 reaction schemes below describe the preparation of products of formula (I) according to the present invention, especially among the products of Examples 70 to 178 that follow.

Scheme 1 describes the preparation of hydantoin derivatives with amino substituents in the two positions of the pyridine ring (B2).

Scheme 1:




R = alkyl, substituted alkylaryl, alkyl-CO-, substituted alkyl-CO aryl-CO-

X = S or O

Procedures of Scheme 1

Step 1:

(Syntheses described for X = S, analogous scheme for X = O).

1-Isocyanato-4-trifluoromethylsulfanylbenzene (14.27 g, 65 mmol) is dissolved in 30 ml of dry $CH_2Cl_2$ and cooled to 0°C. 7.5 g (65 mmol) of N-ethylmorpholine are added, followed by 10 g (65 mmol) of methyl 2-amino-2-methylpropionate. The reaction is left to reach 25°C over a period of 6 hours and washed with water, and, after removal of the solvent, 21.8 g of the product methyl 2-methyl-2-[3-(4-trifluoromethylsulfanylphenyl)ureido]propionate 3 are isolated.

Step 2:

30 g of methyl 2-methyl-2-[3-(4-trifluoromethylsulfanylphenyl)ureido]propionate 3 are dissolved in a mixture of 225 ml of 3N HCl and 230 ml of dioxane, refluxed for 6 hours and, after cooling to 4°C, the product 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is isolated in the form of white crystals (24.14 g).

Step 3:

5,5-Dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione 3 (1 g, 3.29 mmol) is dissolved in 10 ml of DMF, 1.36 g of $K_2CO_3$ (3 eq, 9.87 mmol) and 909 mg of 2-chloro-4-chloromethylpyridine (3.95 mmol, 1.2 eq) are added and the mixture is refluxed for 20 hours. The solvent is removed under vacuum and the residue is dissolved in $CH_2Cl_2$ and treated three times with active charcoal. After removal of the solvent, the product 1-(2-chloropyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is obtained (3.2 g; 56%).

Analytical data:

MS (LC-MS): 429.05; retention time: 2.49 min.

NMR: 1.4: s, 6H; 4.7: s, 2H; 7.45: m, 1H; 7.6: s, 1H; 7.7: d, 2H; 7.9: d, 2H; 8.4: m, 1H.

Preparation of 2-chloro-4-chloromethylpyridine

10 g of 2-chloro-4-methylpyridine are dissolved in 30 ml of $CH_3CN$ and a mixture of AIBN (3 g) and NCS (30 g) is added. The resulting mixture is refluxed for 4 hours. After removal of the solvent, the crude product is purified further by distillation (boiling point: 70°C, 20 mtorr).

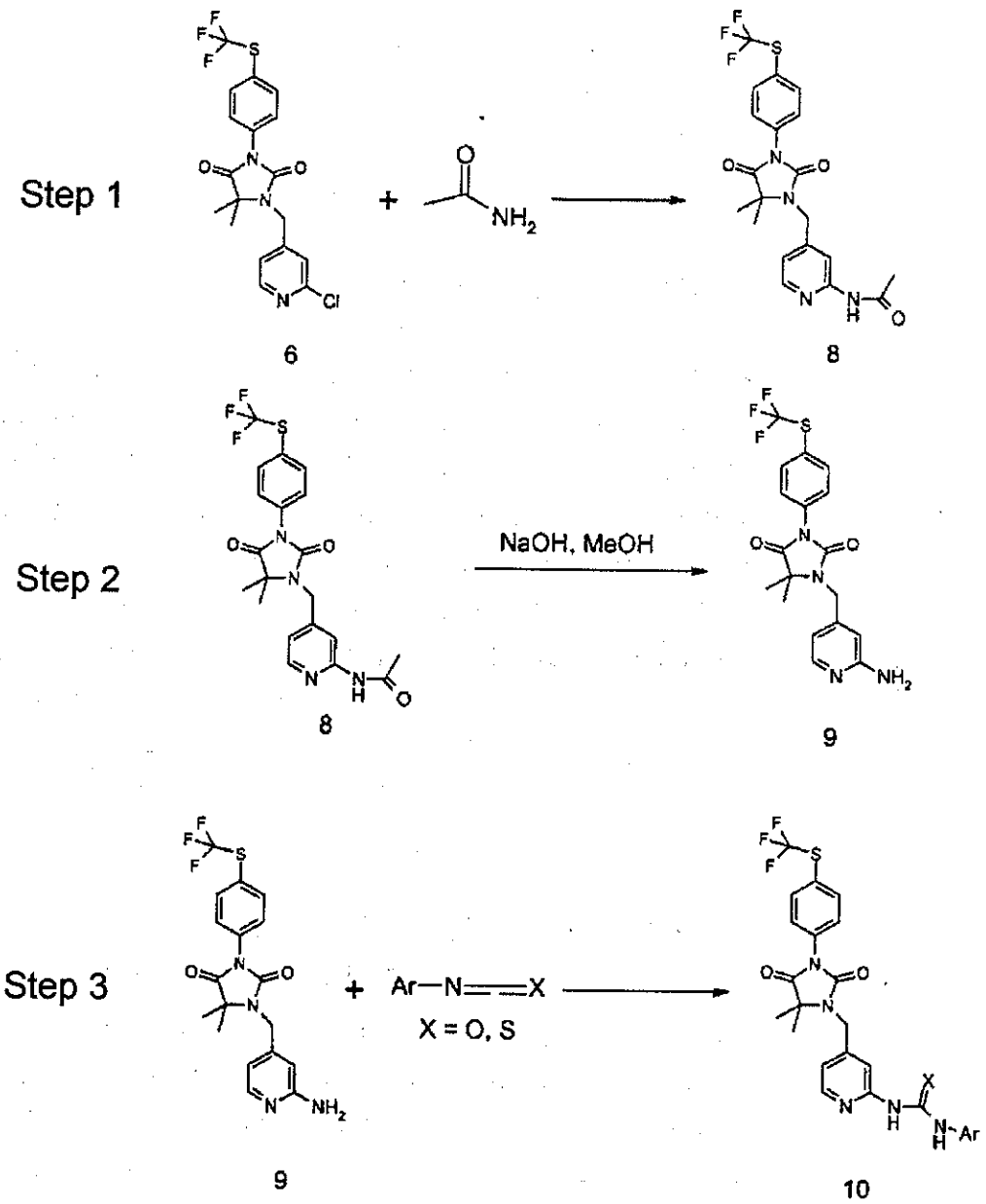
Step 4: General procedure for the palladium-catalyzed amination of the pyridine ring system in 1-(2-chloropyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione

100 mg (0.23 mmol) of 1-(2-chloropyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione, 20 mg of $Pd(OAc)_2$, 60 mg of XANTPHOS and 300 mg of $Cs_2CO_3$ are transferred into a reaction tube with a screw stopper equipped with a rubber seal and an argon atmosphere is generated in the tube. 1.5 equivalents (0.35 mmol) of the appropriate amine or amide are dissolved in 10 ml of toluene, the solution is transferred into the reaction tube mentioned above and the resulting mixture is heated at 95°C for 6 to 10 hours depending on the reaction progress, which is monitored by LCMS.

After filtration, the solvent is removed under vacuum and the crude product is further purified by chromatography on an HPLC system.

Scheme 2 describes the preparation of urea and thiourea derivatives.

Scheme 2:




Procedures for Scheme 2:

Step 1:

This step is identical to step 4 of Scheme 1 with acetamide as reagent in the catalytic reaction.

Analytical data for N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}acetamide:

MS (LC-MS): 452.11; retention time: 1.82 min.

NMR: 1.4: s, 6H; 2.05: s, 3H; 4.65: s, 2H; 7.1: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: m, 1H; 8.25: m, 1H.

Step 2:

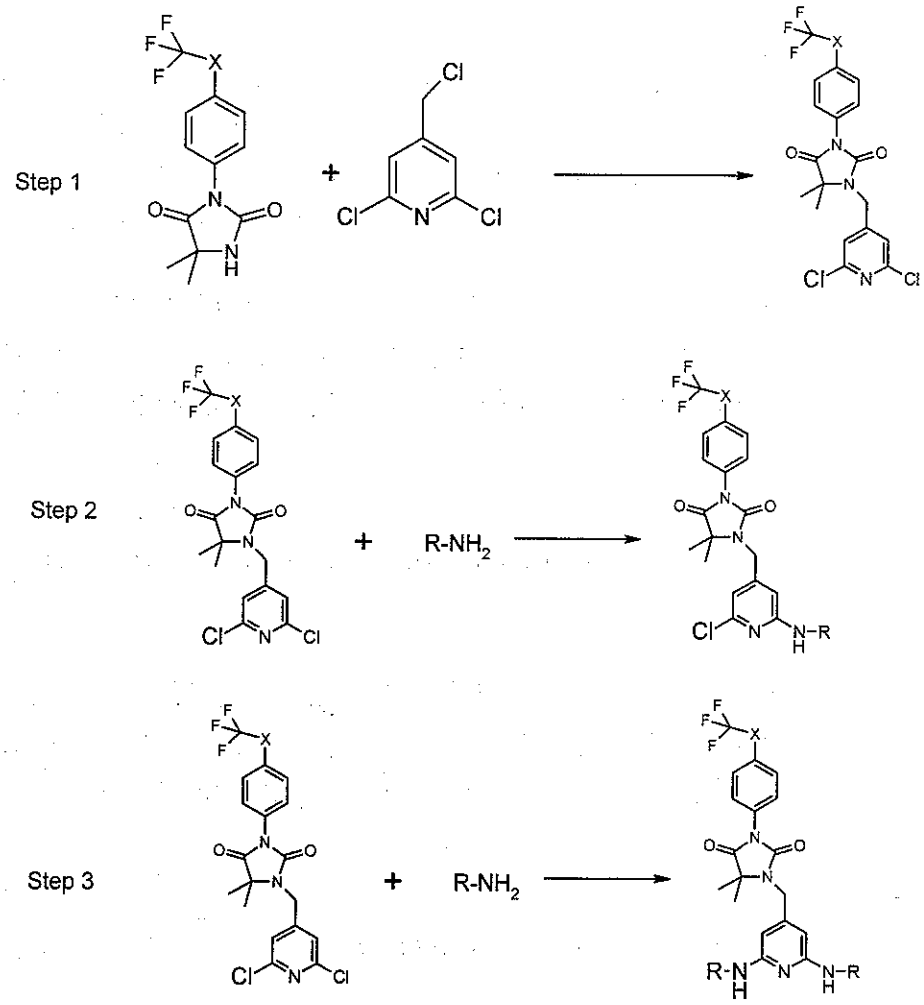
500 mg (1.11 mmol) of N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}acetamide are dissolved in MeOH, 1.5 mmol of NaOMe are added and the resulting mixture is refluxed for 4 hours. The solvent is removed, the residue is taken up in $CH_2Cl_2$, washed twice with 10% $NaHCO_3$ solution and water, and the organic phase is evaporated off. 340 mg (75%) of 1-(2-aminopyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione are isolated in this manner.

MS (LC-MS): 410.10; retention time: 1.57.

NMR: 1.4: s, 6H; 4.4: s, 2H; 6.35: s, 2H; 6.4: m, 1H; 6.5: m, 1H; 7.65: d, 2H; 7.9: m, 3H.

Step 3: General procedure, all the urea and thiourea derivatives are prepared in this manner.

100 mg of 1-(2-aminopyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione are dissolved in 5 ml of dioxane and 1.5 equivalents of the corresponding isocyanate or isothiocyanate are added. The reaction is stirred at slightly elevated temperature up to completion, which is monitored by LCMS. The solvent is removed, and further purification is obtained by chromatography on an HPLC system.




R = alkyl, substituted alkyl, aryl, substituted aryl, alkyl-CO-, substituted alkyl-CO, aryl-CO-, substituted aryl-CO

X = S or O

Scheme 3

Step 1:

(Syntheses described for X = S, analogous scheme for X = O)

5,5-Dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione (1000 mg/3.29 mmol) is dissolved in 20 ml of DMF, $Cs_2CO_3$ (3.21 g/9.9 mmol) and 2,6-dichloro-4-chloromethylpyridine (774 g/3.9 mmol) are added and the

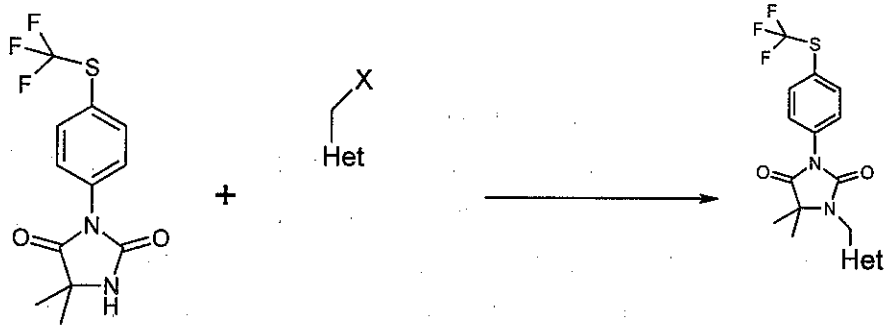
resulting mixture is heated at 80°C for 6 hours. The solvent is removed, the residue is dissolved in $CH_2Cl_2$ and washed three times with water. After evaporation of the solvent, the crude material is further purified by chromatography on an HPLC system.

Step 2: General procedure for the Pd-catalyzed monoamination of 1-(2,6-dichloropyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione

This step is identical to step 4 of Scheme 1, but only 1 equivalent of the corresponding amine or amide is used.

Step 3: General procedure for the Pd-catalyzed bisamination of 1-(2,6-dichloropyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione

This step is identical to step 4 of Scheme 1, but in this case 2.2 equivalents of the corresponding amine or amide are used.

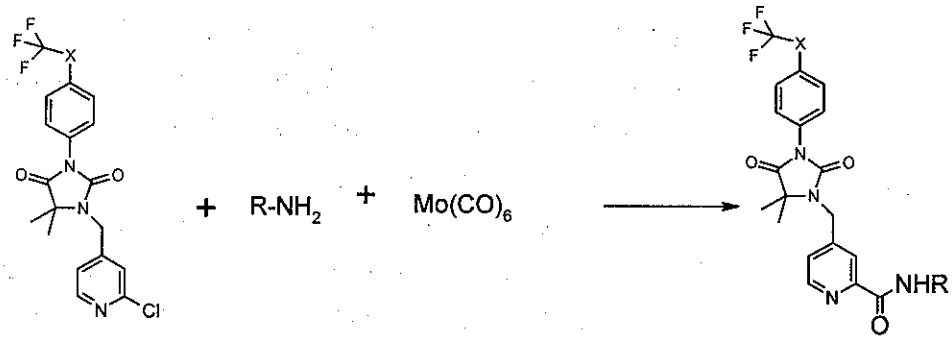



Het = aromatic or aliphatic heterocycle
X = Cl or Br

Scheme 4: General procedure for the alkylation of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione with aromatic or aliphatic heterocycles bearing a chloromethyl or bromomethyl substituent

5,5-Dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione (100 mg/0.33 mmol) is dissolved in 10 ml of DMF, $Cs_2CO_3$ (321 mg/0.99 mmol) and 0.49 mmol (1.5 equivalents) of the corresponding aromatic or aliphatic heterocycle substituted with a chloromethyl or bromomethyl group is added, and the resulting mixture is heated at 80°C for 6 hours. The solvent is removed and the crude material obtained is further purified by chromatography on an HPLC system.

Syntheses of Examples 175, 176 and 177




Scheme 5

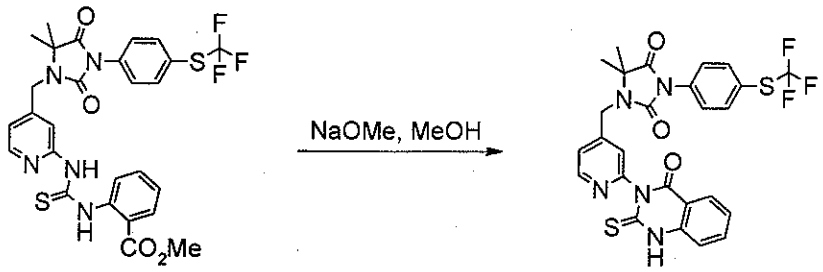
100 mg (0.23 mmol) of 1-(2-chloropyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione, 20 mg of $Pd(OAc)_2$, 60 mg of XANTPHOS, 300 mg of $Cs_2CO_3$ and 124 mg of $Mo(CO)_6$ (2 eq) are transferred into a screw stoppered reaction tube with a rubber seal and an argon atmosphere is generated in the tube.

1.5 equivalents (0.35 mmol) of the appropriate amine and 212 mg of DBU are dissolved in 10 ml of toluene, this solution is transferred into the reaction tube mentioned above and the resulting mixture is heated at 95°C for 6

to 10 hours as a function of the reaction progress, which is monitored by LCMS.

After filtration, the solvent is removed under vacuum and the crude product is further purified by chromatography on an HPLC system.

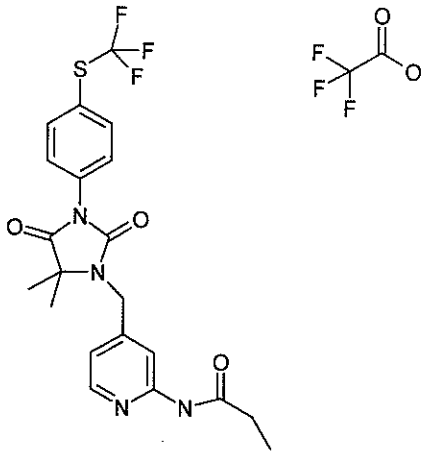
Synthesis of Example 178




Scheme 6

30 mg (0.05 mmol) of methyl 2-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thioureido)benzoate are dissolved in 2 ml of MeOH, 0.1 mmol of NaOMe is added and the resulting mixture is stirred at room temperature overnight. After evaporating off the solvent, the crude material of 5,5-dimethyl-1-[2-(4-oxo-2-thioxo-1,4-dihydro-2H-quinazolin-3-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is further purified by chromatography on an HPLC system.

**Example 70: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide; compound with trifluoroacetic acid**

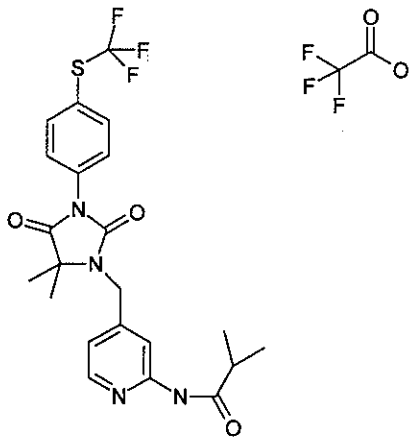


MS (LC-MS): 466.13, retention time: 1.83 min.

NMR: 1.05: t, 3H; 1.40: s, 6H; 2.35: q, 2H; 4.65: s, 2H; 7.1: d, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: d, 1H.

The synthesis is described in Scheme 1.

**Example 71: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}isobutyramide; compound with trifluoroacetic acid**

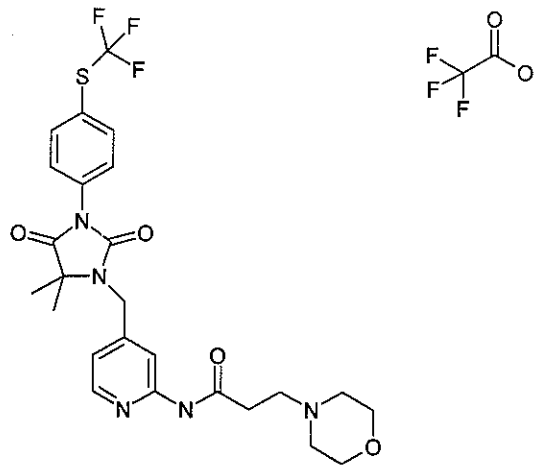


MS (LC-MS): 480.14, retention time: 1.93 min.

NMR: 1.10: d, 6H; 1.40: s, 6H; 2.75: s, 1H; 4.65: s, 2H; 7.15: d, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: d, 1H.

The synthesis is described in Scheme 1.

**Example 72: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-morpholin-4-ylpropionamide; compound with trifluoroacetic acid**

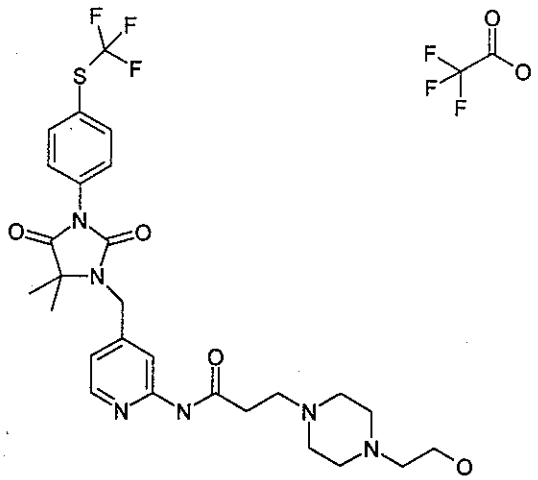


MS (LC-MS): 551.18, retention time: 1.54 min.

NMR: 1.40: s, 6H; 2.85: m, 2H; 3.1: m, 2H; 3.4: m, 2H; 3.95: m, 2H; 4.65: s, 2H; 7.15: d, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: d, 1H.

The synthesis is described in Scheme 1.

**Example 73: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-[4-(2-hydroxyethyl)piperazin-1-yl]propionamide**

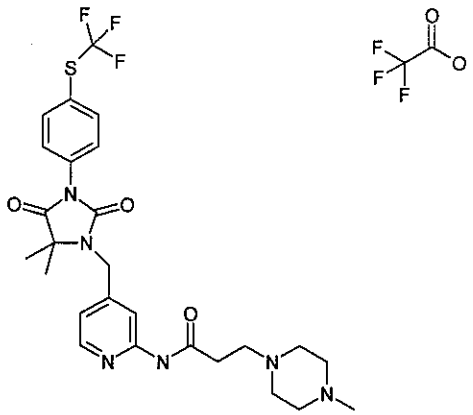


MS (LC-MS): 594.22, retention time: 1.40 min.

NMR: 1.40: s, 6H; 2.55 to 3.50: m, 12H; 4.65: s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: d, 1H.

The synthesis is described in Scheme 1.

**Example 74: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-methylpiperazin-1-yl)propionamide**

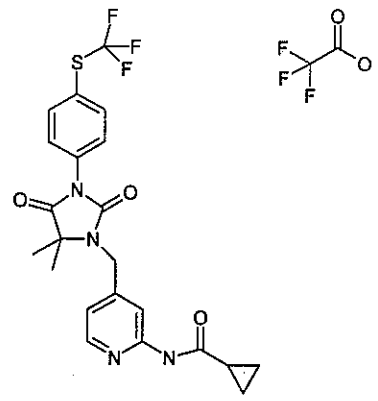


MS (LC-MS): 564.21, retention time: 1.41 min.

NMR: 1.40: s, 6H; 2.55 to 3.50: m, 12H; 2.75: s, 3H; 4.65: s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: d, 1H.

The synthesis is described in Scheme 1.

**Example 75: Cyclopropanecarboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-imidazolidin-1-ylmethyl]pyrid-2-yl}amide**

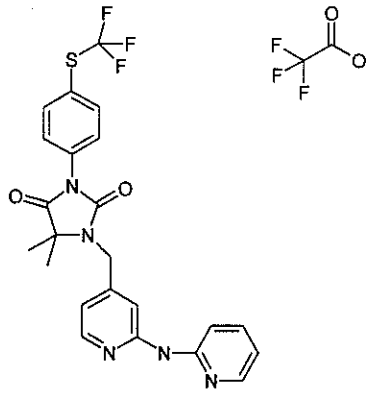


MS (LC-MS): 478.13, retention time: 1.99 min.

NMR: 0.80: m, 4H; 1.15: t, 1H; 1.40: s, 6H; 4.65: s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: d, 1H.

The synthesis is described in Scheme 1.

**Example 76: 5,5-Dimethyl-1-[2-(pyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**

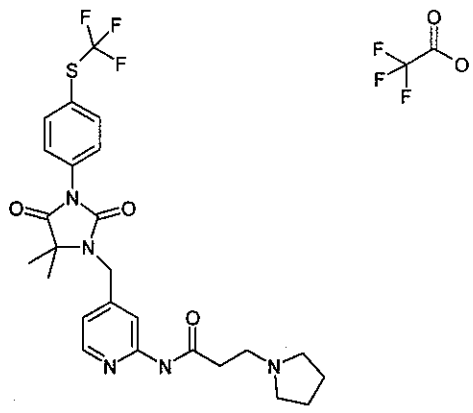


MS (LC-MS): 487.13, retention time: 1.85 min.

NMR: 1.40: s, 6H; 4.65: s, 2H; 7.3: m, 4H; 7.65: d, 2H; 7.85: d, 2H; 8.05: s, 1H; 8.35: m, 1H.

The synthesis is described in Scheme 1.

**Example 77: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-pyrrolidin-1-ylpropionamide**



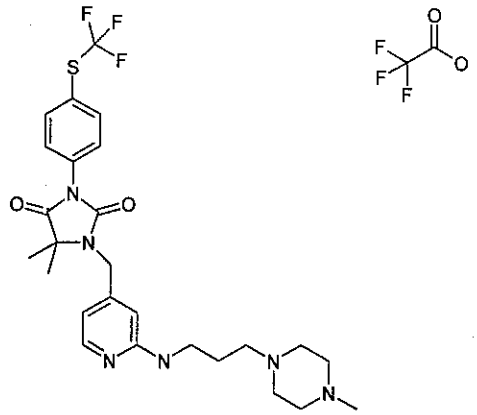
MS (LC-MS): 535.19, retention time: 1.52 min.

NMR: 1.40: s, 6H; 1.8: m, 2H; 2.0: m, 2H; 2.85: m, 2H; 3.0: m, 2H; 3.4: m, 2H; 3.5: m, 2H; 4.65: s, 2H; 7.2:

m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.40: m, 1H.

The synthesis is described in Scheme 1.

**Example 78: 5,5-Dimethyl-1-{2-[3-(4-methylpiperazin-1-yl)propylamino]pyrid-4-ylmethyl}-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

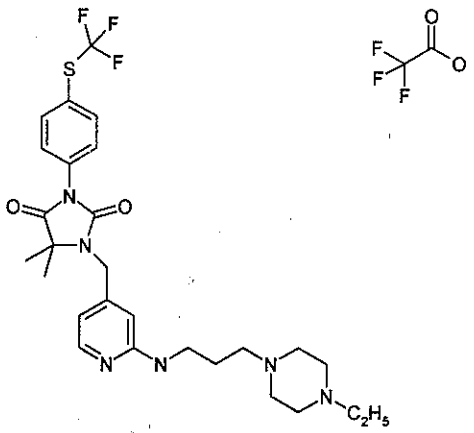


MS (LC-MS): 550.23, retention time: 1.52 min.

NMR: 1.40: s, 6H; 2.6 to 3.5: m, 14H; 2.75: s, 3H; 4.65: s, 2H; 6.85: m, 1H; 6.95: m, 1H; 7.65: d, 2H; 7.9: m, 3H.

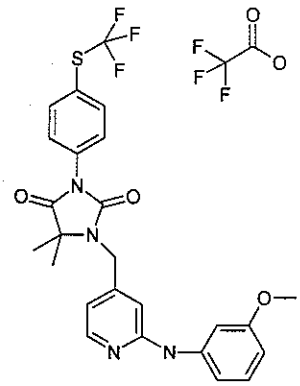
The synthesis is described in Scheme 1.

**Example 79: 5,5-Dimethyl-1-{2-[3-(4-ethylpiperazin-1-yl)propylamino]pyrid-4-ylmethyl}-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



The synthesis is described in Scheme 1.

**Example 80: 1-[2-(3-Methoxyphenylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**

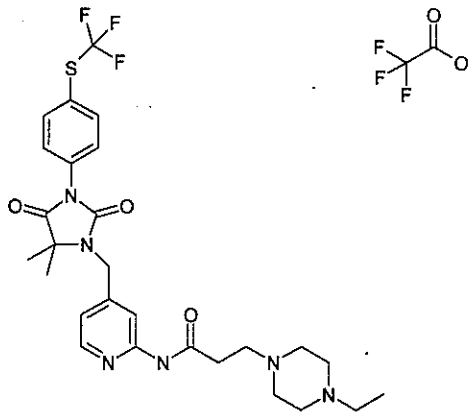


MS (LC-MS): 516.14, retention time: 1.90 min.

NMR: 1.40: s, 6H; 3.7: s, 3H; 4.65: s, 2H; 6.6: m, 1H; 6.9: m, 2H; 7.15: m, 1H; 7.2: m, 1H; 7.25: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.05: s, 1H.

The synthesis is described in Scheme 1.

**Example 81: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-ethylpiperazin-1-yl)propionamide**

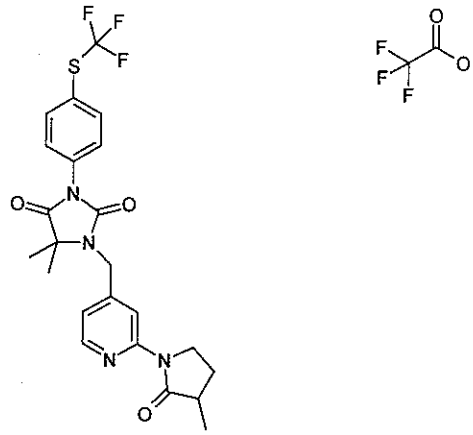


MS (LC-MS): 516.14, retention time: 1.90 min.

NMR: 1.15: t, 3H; 1.40: s, 6H; 2.5 to 3.7: m, 14H; 4.65: s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: m, 1H.

The synthesis is described in Scheme 1.

**Example 82: 5,5-Dimethyl-1-[2-(3-methyl-2-oxopyrrolidin-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione; compound with trifluoroacetic acid**

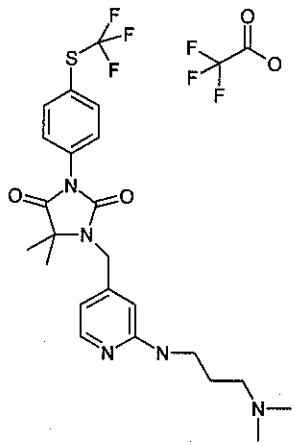


MS (LC-MS): 492.14; retention time: 2.23 min.

NMR: 1.15: d, 3H; 1.40: s, 6H; 1.60: m, 1H; 2.30: m, 1H; 2.70: m, 1H; 3.80: m, 1H; 4.0: m, 1H; 4.65: s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.35: m, 2H.

The synthesis is described in Scheme 1.

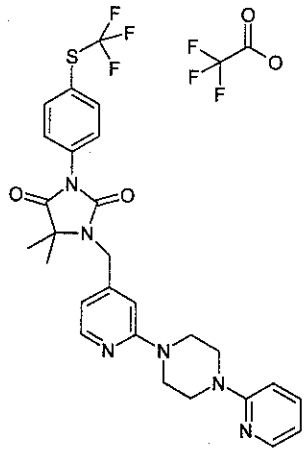
**Example 83**



MS (LC-MS): 495.19; retention time: 1.43 min.

The synthesis is described in Scheme 1.

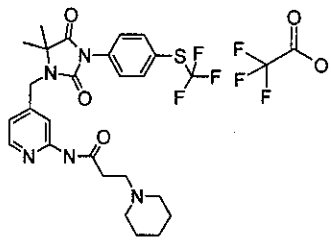
**Example 84: 5,5-Dimethyl-1-[2-(4-pyrid-2-ylpiperazin-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione; compound with trifluoroacetic acid**



MS (LC-MS): 556.19; retention time: 1.56 min.

The synthesis is described in Scheme 1.

**Example 85: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-piperid-1-ylpropionamide; compound with trifluoroacetic acid**

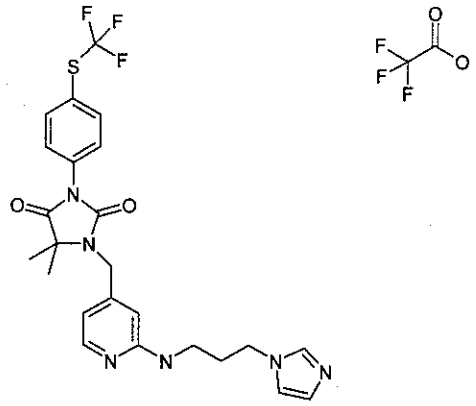


MS (LC-MS): 549.22; retention time: 1.62 min.

NMR: 1.45: s, 6H; 1.55: m, 3H; 1.80: m, 2H; 2.80: m, 4H; 3.3 to 3.5: m, 7H; 4.65: s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: m, 2H; 8.15: m, 1H; 8.3: m, 1H; 9.0: m, 1H.

The synthesis is described in Scheme 1.

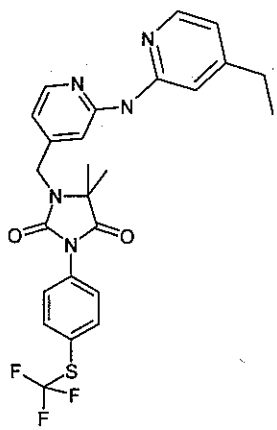
**Example 86: 1-[2-(3-Imidazol-1-ylpropylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione; compound with trifluoroacetic acid**



MS (LC-MS): 518.17; retention time: 1.57 min.

The synthesis is described in Scheme 1.

**Example 87: 1-[2-(4-Ethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**

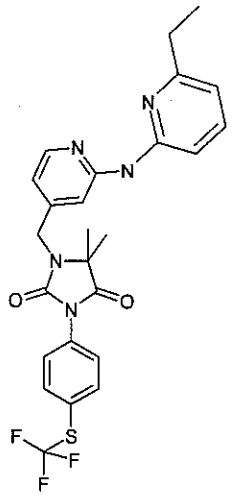


MS (LC-MS): 515.16; retention time: 1.85 min.

NMR: 1.15: t, 3H; 1.45: s, 6H; 2.7: q, 2H; 4.75: s, 2H; 7.1: broad s, 2H; 7.3: broad s 2HM; 7.65: d, 2H; 7.85: d, 2H; 8.25: s, 1H; 8.45: s, 1H.

The synthesis is described in Scheme 1.

**Example 88: 1-[2-(6-Ethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

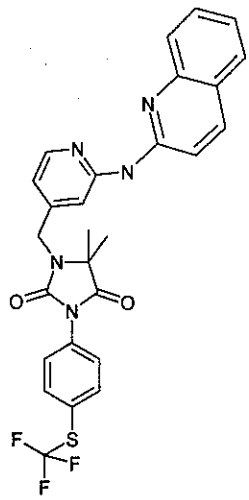


MS (LC-MS): 515.16; retention time: 1.95 min.

NMR: 1.15: t, 3H; 1.45: s, 6H; 2.7: q, 2H; 4.75: s, 2H; 7.1: broad s, 2H; 7.3: broad s 2HM; 7.65: d, 2H; 7.85: d, 2H; 8.25: s, 1H; 8.45: s, 1H.

The synthesis is described in Scheme 1.

**Example 89: 5,5-Dimethyl-1-[2-(quinolin-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**

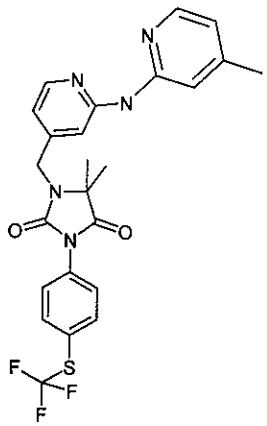


MS (LC-MS): 537.14; retention time: 1.95 min.

NMR: 1.45: s, 6H; 4.75: s, 2H; 7.4 to 7.6: m, 6H; 7.65: d, 2H; 7.85: d, 2H; 8.00: broad s, 1H; 8.50: broad s, 2H.

The synthesis is described in Scheme 1.

**Example 90: 5,5-Dimethyl-1-[2-(4-methylpyrid-2-yl-amino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**

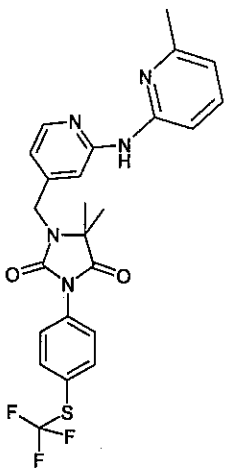


MS (LC-MS): 501.14; retention time: 1.80 min.

NMR: 1.45: s, 6H; 2.4: s, 3H; 4.75: s, 2H; 7.1: m, 2H; 7.25: m, 2H; 7.65: d, 2H; 7.85: d, 2H; 8.20: broad s, 1H; 8.45: broad s, 1H.

The synthesis is described in Scheme 1.

**Example 91: 5,5-Dimethyl-1-[2-(6-methylpyrid-2-yl-amino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**

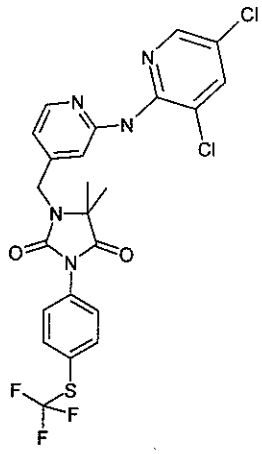


MS (LC-MS): 501.14; retention time: 1.85 min.

NMR: 1.45: s, 6H; 2,55: s, 3H; 4.75: s, 2H; 7.1: m, 1H; 7.25: m, 2H; 7.4: s, 1H; 7.65: d, 2H; 7.85: m, 3H; 8.45: broad s, 1H.

The synthesis is described in Scheme 1.

**Example 92: 1-[2-(3,5-Dichloropyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**

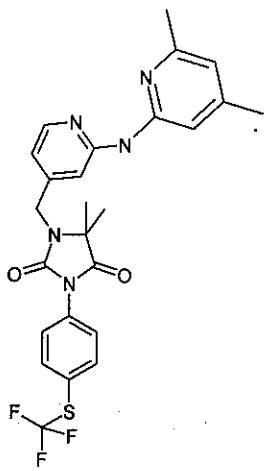


MS (LC-MS): 555.05; retention time: 1.96 min.

NMR: 1.45: s, 6H; 4.70: s, 2H; 7.1: m, 1H; 7.20: m, 1H; 7.65: d, 2H; 7.85: m, 3H; 8.30: m, 3H.

The synthesis is described in Scheme 1.

**Example 93: 1-[2-(4,6-Dimethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**

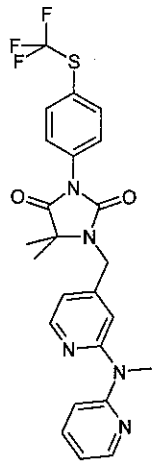


MS (LC-MS): 515.16; retention time: 2.00 min.

NMR: 1.45: s; 2.35: s, 3H; 2.6: s, 3H; 6H; 4.75: s, 2H; 7.0: m, 2H; 7.35: m, 2H; 7.70: d, 2H; 7.9: d, 2H; 8.40: broad s, 1H.

The synthesis is described in Scheme 1.

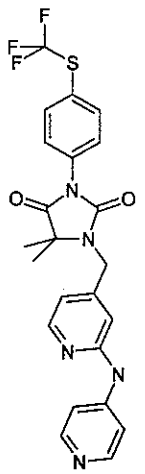
**Example 94: 5,5-Dimethyl-1-[2-(methylpyrid-2-ylamino)-pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**



MS (LC-MS): 501.14; retention time: 1.74 min.

The synthesis is described in Scheme 1.

**Example 95: 5,5-Dimethyl-1-[2-(pyrid-4-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

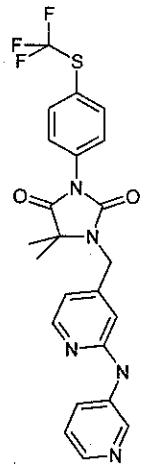


MS (LC-MS): 487.13; retention time: 1.69 min.

NMR: 1.45: s; 4.70: s, 2H; 7.15: m, 1H; 7.25: m, 1H; 7.65: d, 2H; 7.9: d, 2H; 8.10: broad s, 2H; 8.40: s, 1H; 8.50: m, 2H.

The synthesis is described in Scheme 1.

**Example 96: 5,5-Dimethyl-1-[2-(pyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

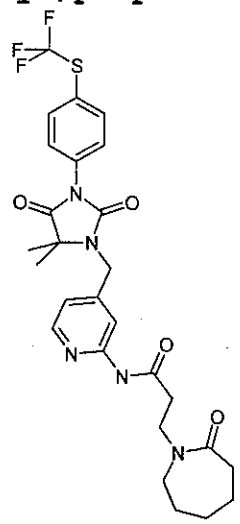


MS (LC-MS): 487.13; retention time: 1.69 min.

NMR: 1.45: s; 4.60: s, 2H; 6.95: s, 1H; 7.05: s, 1H; 7.7: d, 2H; 7.8: m, 1H; 7.85: d, 2H; 8.25: s, 1H; 8.35: s, 1H; 8.45: m, 1H; 9.4: s, 1H.

The synthesis is described in Scheme 1.

**Example 97: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(2-oxoazepan-1-yl)propionamide.**

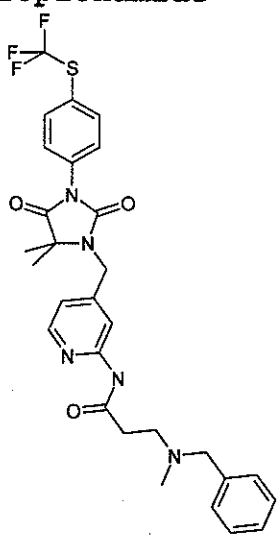


MS (LC-MS): 577.20; retention time: 2.00 min.

NMR: 1.45: s, 6H; 1.5: m, 4H; 1.55: m, 2H; 2.35: m, 2H; 2.6: m, 4H; 3.3 m, 2H; 4.65: s, 2H; 7.15: s, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.1: s, 1H; 8.35: s, 1H.

The synthesis is described in Scheme 1.

**Example 98: 3-(Benzylmethylamino)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide**



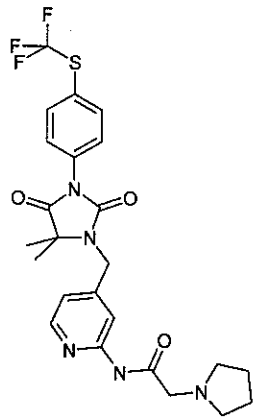
MS (LC-MS): 585.20, retention time: 1.73 min.

NMR: 1.45: s, 6H; 2.2: s, 3H; 2.95: m, 2H; 3.3: m, 1H; 4.3: m, 1H; 4.4: m, 1H; 4.65: s, 2H; 7.2: s, 1H;

7.45: m, 2H; 7.50: m, 2H; 7.65: d, 2H; 7.85: d, 2H; 8.1: m, 1H; 8.3: m, 1H.

The synthesis is described in Scheme 1.

**Example 99: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-2-pyrrolidin-1-ylacetamide**

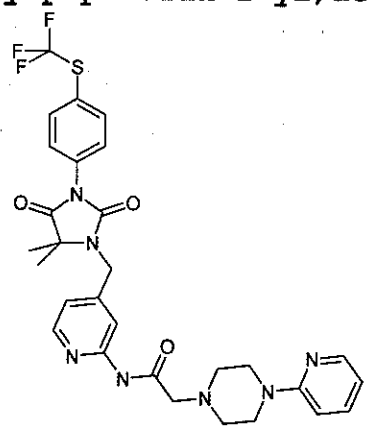


MS (LC-MS): 521.17, retention time: 1.68 min.

NMR: 1.45: s, 6H; 1.85: m, 2H; 2.00: m, 2H; 3.1: m, 2H; 4.25: m, 2H; 4.7: s, 2H; 7.25: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.1: broad s, 1H; 8.3: s, 1H.

The synthesis is described in Scheme 1.

**Example 100: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-2-(4-pyrid-2-ylpiperazin-1-yl)acetamide**

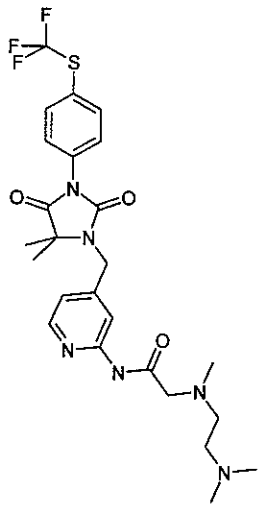


MS (LC-MS): 613.21, retention time: 1.60 min.

NMR: 1.45: s, 6H; 3.3: broad m, 4H; 4.35: broad m, 4H; 4.65: s, 2H; 6.7: m, 1H; 6.9: m, 1H; 7.25: s, 1H; 7.65, m + d: 3H; 7.85: d, 2H; 8.15: m, 2H; 8.35: s, 1H.

The synthesis is described in Scheme 1.

**Example 101: 2-[(2-Dimethylaminoethyl)methylamino]-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-acetamide**

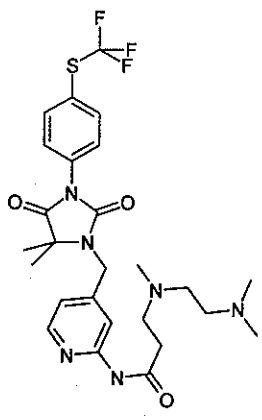


MS (LC-MS): 552.21, retention time: 1.52 min.

NMR: 1.45: s, 6H; 2.75: s, 6H; 4.65: s, 2H; 7.20: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.30: m, 1H.

The synthesis is described in Scheme 1.

**Example 102: 3-[(2-Dimethylaminoethyl)methylamino]-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-propionamide**

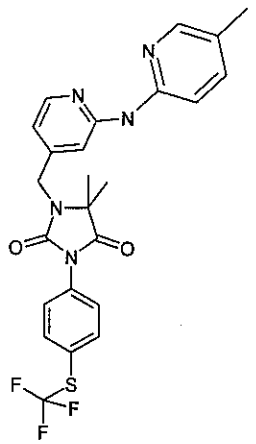


MS (LC-MS): 566.23, retention time: 1.37 min.

NMR: 1.45: s, 6H; 2.75: s, 6H; 2.8 to 3.4: broad m, 8H; 7.20: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.30: m, 1H.

The synthesis is described in Scheme 1.

**Example 103: 5,5-Dimethyl-1-[2-(5-methylpyrid-2-yl-amino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**

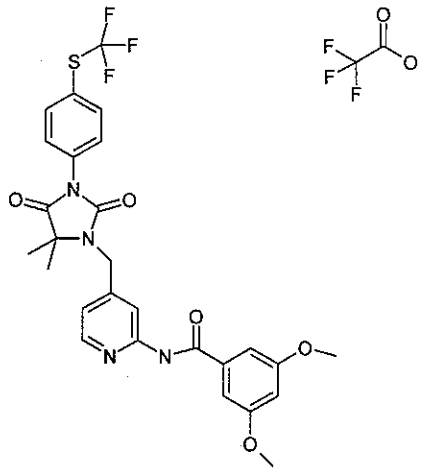


MS (LC-MS): 501.14, retention time: 1.83 min.

NMR: 1.45: s, 6H; 2.3: s, 3H; 4.7: s, 2H; 7.3: m, 3H; 7.7: d, 2H; 7.9: d, 2H; 8.2: m, 1H; 8.35: m, 1H.

The synthesis is described in Scheme 1.

**Example 104: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3,5-dimethoxybenzamide; compound with trifluoroacetic acid**

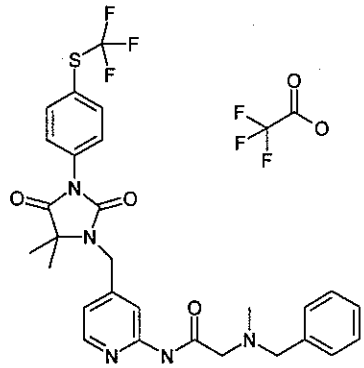


MS (LC-MS): 574.78, retention time: 2.34 min.

NMR: 1.45: s, 6H; 2.3: s, 3H; 4.7: s, 2H; 6.7: s, 2H; 7.2: m, 2H; 7.25: m, 1H; 7.7: d, 2H; 7.9: d, 2H; 8.2: m, 1H; 8.3: m, 1H.

The synthesis is described in Scheme 1.

**Example 105: 2-(Benzylmethylamino)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}acetamide; compound with trifluoroacetic acid**

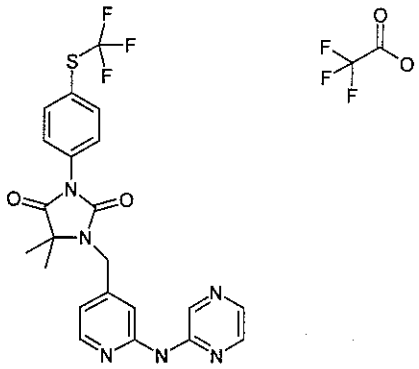


MS (LC-MS): 574.78, retention time: 2.34 min.

NMR: 1.45: s, 6H; 2.8: s, 4.0 to 4.4: m, 4H; 4.7: s, 2H; 7.2: m, 1H; 7.4: m, 2H; 7.5: m, 2H; 7.7: d, 2H; 7.9: d, 2H; 8.1: m, 1H; 8.3: m, 1H.

The synthesis is described in Scheme 1.

**Example 106: 5,5-Dimethyl-1-[2-(pyrazin-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid**

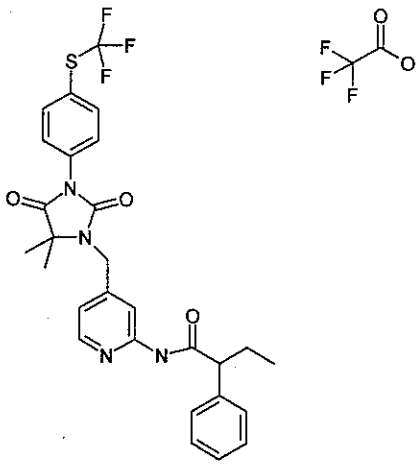


MS (LC-MS): 488.12, retention time: 1.63.

NMR: 1.45: s, 6H; 4.7: s, 2H; 7.1: m, 1H; 7.6: m, 1H; 7.65: d, 2H; 7.9: d, 2H; 8.2: s, 1H; 8.3: m, 2H; 9.0: s, 1H.

The synthesis is described in Scheme 1.

**Example 107: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-2-phenylbutyramide; compound with trifluoroacetic acid**

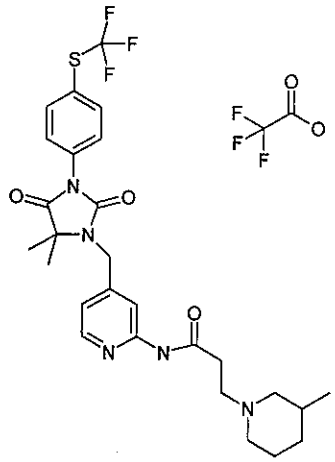


MS (LC-MS): 566.18, retention time: 2.43.

NMR: 0.7: t, 3H; 1.4: s, 6H; 1.7: m, 1H; 2.05: m, 1H; 4.6: s, 2H; 7.1: s, 1H; 7.25: m, 1H; 7.3: m, 1H; 7.4: m, 2H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: m, 1H.

The synthesis is described in Scheme 1.

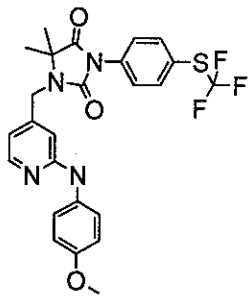
**Example 108: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(3-methylpiperid-1-yl)propionamide; compound with trifluoroacetic acid**



MS (LC-MS): 563.22, retention time: 1.62.

The synthesis is described in Scheme 1.

**Example 109: 1-[2-(4-Methoxyphenylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**

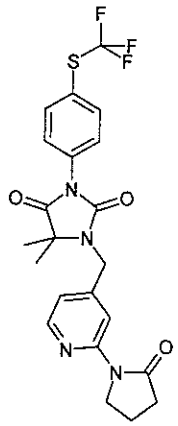


MS (LC-MS): 517.1; retention time: 1.74.

NMR: 1.4: s, 6H; 4.6: s, 2H; 6.85: broad s, 1H; 7.0: m, 1H; 7.4: m, 2H; 7.6: d, 2H; 7.9: d, 2H; 8.95: s, 1H.

The synthesis is described in Scheme 1.

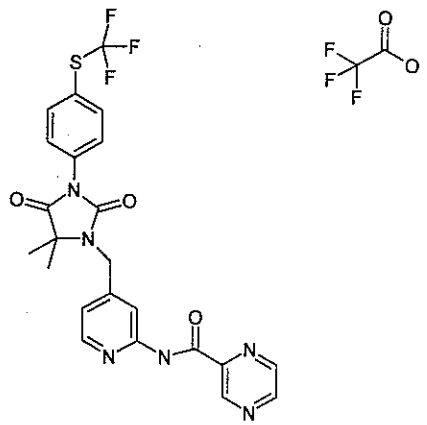
**Example 110: 5,5-Dimethyl-1-[2-(2-oxopyrrolidin-1-yl)-pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**



MS (LC-MS): 478.13; retention time: 1.83.

The synthesis is described in Scheme 1.

**Example 111: {4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-pyrazine-2-carboxamide; compound with trifluoroacetic acid**

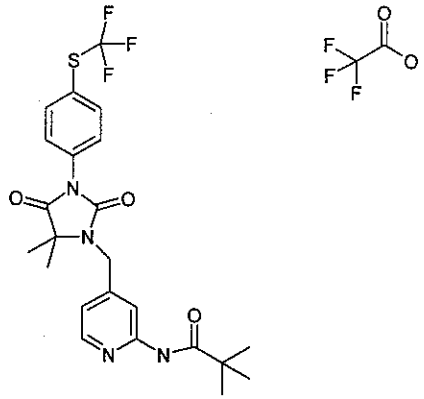


MS (LC-MS): 516.12; retention time: 2.42.

NMR: 1.4: s, 6H; 4.7: s, 2H; 7.3: m, 1H; 7.65: d, 2H; 7.95: d, 2H; 8.3: s, 1H; 8.4: s, 1H; 8.7: s, 1H; 9.0: s, 1H; 9.4: s, 1H.

The synthesis is described in Scheme 1.

**Example 112: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-2,2-dimethylpropionamide; compound with trifluoroacetic acid**

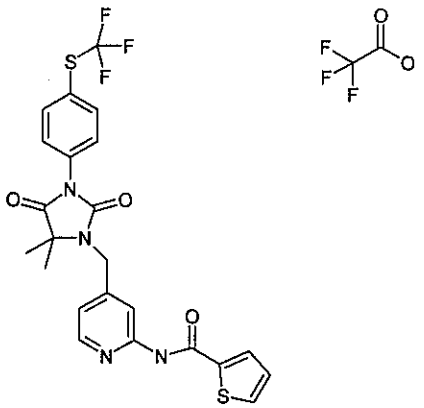


MS (LC-MS): 494.16; retention time: 2.48.

NMR: 1.2: s, 9H; 1.4: s, 6H; 4.7: s, 2H; 7.2: m, 1H; 7.65: d, 2H; 7.90: d, 2H; 8.1: s, 1H; 8.3: s, 1H.

The synthesis is described in Scheme 1.

**Example 113: Thiophene-2-carboxylic acid {4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-imidazolidin-1-ylmethyl]pyrid-2-yl}amide; compound with trifluoroacetic acid**

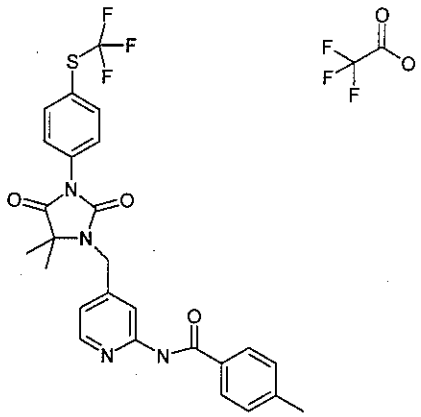


MS (LC-MS): 520.09; retention time: 2.14.

NMR: 1.4: s, 6H; 4.7: s, 2H; 7.2: m, 2H; 7.65: d, 2H; 7.8: m, 3H; 8.2: s, 1H; 8.25: s, 1H; 8.4: m, 1H.

The synthesis is described in Scheme 1.

**Example 114: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-4-methylbenzamide; compound with trifluoroacetic acid**

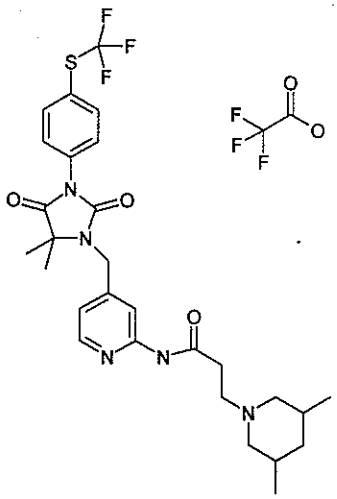


MS (LC-MS): 528.16; retention time: 2.23.

**NMR: 1.4: s, 6H; 4.7: s, 2H; 7.2: m, 1H; 7.3: d, 2H; 7.7: d, 2H; 7.85: d, 2H; 7.95: d, 2H; 8.2: s, 1H; 8.3: s, 1H.**

The synthesis is described in Scheme 1.

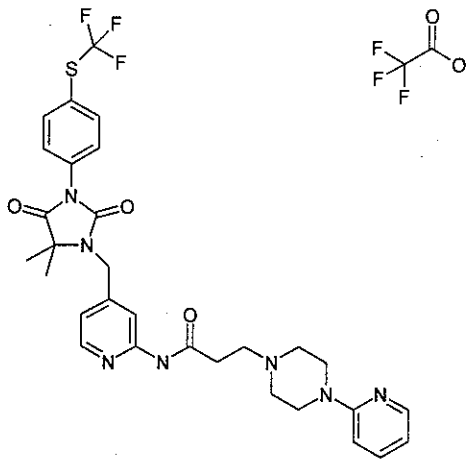
**Example 115: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(3,5-dimethylpiperid-1-yl)propionamide; compound with trifluoroacetic acid**



MS (LC-MS): 577.23; retention time: 1.72.

The synthesis is described in Scheme 1.

**Example 116: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-pyrid-2-ylpiperazin-1-yl)propionamide; compound with trifluoroacetic acid**

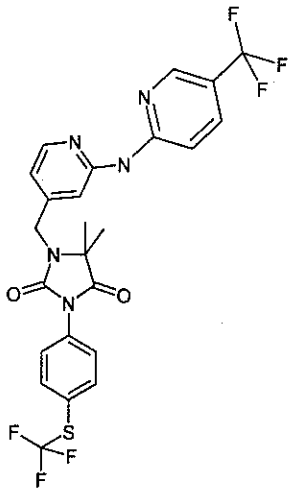


MS (LC-MS): 627.22; retention time: 1.50.

NMR: 1.4: s, 6H; 2.9: m, 2H; 3.1: m, 2H; 3.4: m, 2H; 3.6: m, 2H; 4.4: m, 2H; 4.65: s, 2H; 6.7: m, 1H; 6.95: d, 1H; 7.2: m, 1H; 7.7: d, 2H; 7.9: d, 2H; 8.15: m, 2H; 8.3: m, 1H.

The synthesis is described in Scheme 1.

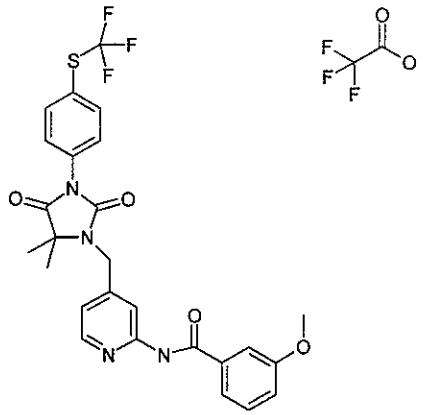
**Example 117: 5,5-Dimethyl-1-[2-(5-trifluoromethylpyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 555.51; retention time: 1.78.

The synthesis is described in Scheme 1.

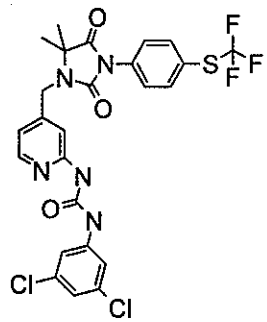
**Example 118: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-methoxybenzamide; compound with trifluoroacetic acid**



MS (LC-MS): 544.14; retention time: 2.15.

The synthesis is described in Scheme 1.

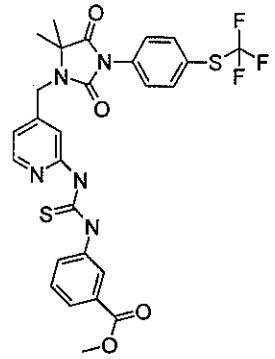
**Example 119: 1-(3,5-Dichlorophenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}urea**



MS (LC-MS): 597.06; retention time: 2.15 min.

The synthesis is described in Scheme 2.

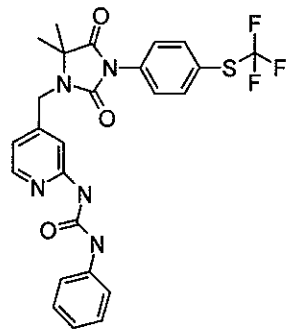
**Example 120: Methyl 3-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-yl-methyl]pyrid-2-yl}thioureido)benzoate**



MS (LC-MS): 603.12; retention time: 2.81 min.

The synthesis is described in Scheme 2.

**Example 121: 1-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-phenylurea**

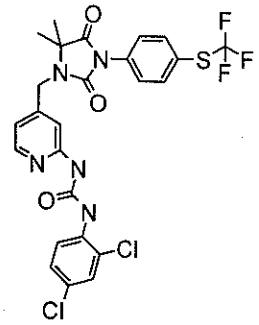


MS (LC-MS): 529.14; retention time: 2.33 min.

NMR: 1.50: s, 6H; 4.65: s, 1H; 7.0: m, 2H; 7.30: m, 2H; 7.5: m, 3H; 7.65: d, 2H; 7.85: d, 2H; 8.25: d, 1H; 9.4: s, 1H.

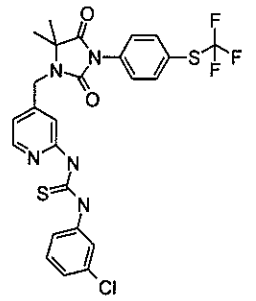
The synthesis is described in Scheme 2.

**Example 122: 1-(2,4-Dichlorophenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}urea**



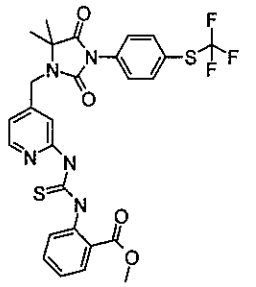
MS (LC-MS): 597.06; retention time: 3.00 min.
The synthesis is described in Scheme 2.

**Example 123: 1-(3-Chlorophenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thiourea**



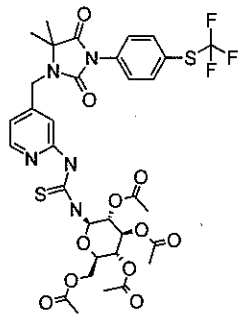
MS (LC-MS): 579.08; retention time: 3.05 min.
The synthesis is described in Scheme 2.

**Example 124: Methyl 2-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thioureido)benzoate**



MS (LC-MS): 603.12; retention time: 2.85 min.
The synthesis is described in Scheme 2.

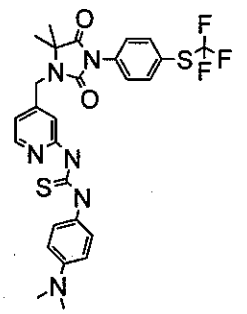
**Example 125: 3,5-Diacetoxy-2-acetoxymethyl-6-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thioureido)-tetrahydropyran-4-yl acetate**



MS (LC-MS): 799.18, retention time: 2.60 min.

The synthesis is described in Scheme 2.

**Example 126: 1-(4-Dimethylaminophenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-imidazolidin-1-ylmethyl]pyrid-2-yl}thiourea**

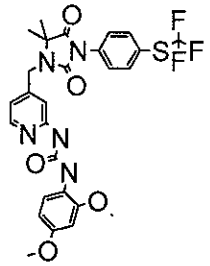


MS (LC-MS): 588.16; retention time: 1.99.

NMR: 1.4: s, 6H; 2.9: s, 6H; 4.7: s, 2H; 6.7: d, 2H; 7.1: m, 1H; 7.25: s, 1H; 7.4: d, 2H; 7.7: d, 2H; 7.9: d, 2H; 8.25: m, 1H.

The synthesis is described in Scheme 2.

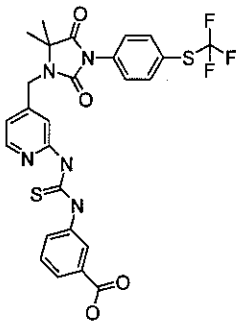
**Example 127: 1-(2,4-Dimethoxyphenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-imidazolidin-1-ylmethyl]pyrid-2-yl}urea**



MS (LC-MS): 589.60; retention time: 1.98.

The synthesis is described in Scheme 2.

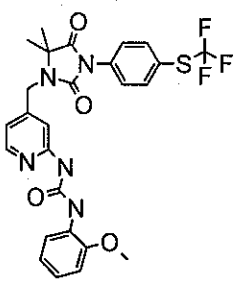
**Example 128: 3-(3-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thioureido)benzoic acid**



MS (LC-MS): 589.11; retention time: 2.30.

The synthesis is described in Scheme 2.

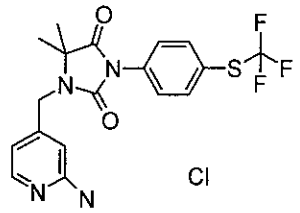
**Example 129: 1-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(2-methoxyphenyl)urea**



MS (LC-MS): 559.15; retention time: 1.88.

The synthesis is described in Scheme 2.

**Example 130: 1-(2-Aminopyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

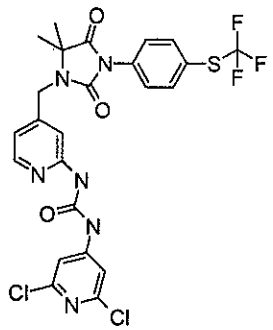


MS (LC-MS): 410.10; retention time: 1.57.

NMR: 1.4: s, 6H; 4.6: s, 2H; 6.9: d, 1H; 7.0: s, 1H; 7.7: d, 2H; 7.85: d, 2H; 7.95: d, 1H; 8.0: broad s, 1H.

The synthesis is described in Scheme 2.

**Example 131: 1-(2,6-Dichloropyrid-4-yl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)-imidazolidin-1-ylmethyl]pyrid-2-yl}urea**

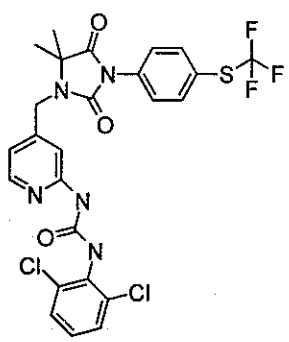


MS (LC-MS): 599.42; retention time: 2.73 min.

NMR: 1.40, s, 6H; 4.65 s, 2H; 7.15: m, 1H; 7.65: d, 2H; 7.85: d, 2H; 8.15: s, 1H; 8.25: m, 1H.

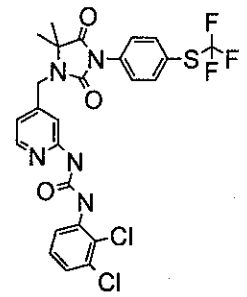
The synthesis is described in Scheme 2.

**Example 132: 1-(2,6-Dichlorophenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazol-idin-1-ylmethyl]pyrid-2-yl}urea**



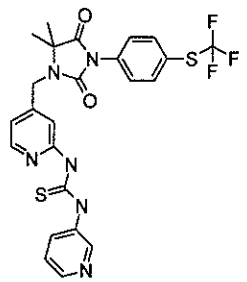
MS (LC-MS): 597.06; retention time: 2.44 min.
The synthesis is described in Scheme 2.

**Example 133: 1-(2,3-Dichlorophenyl)-3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}urea**



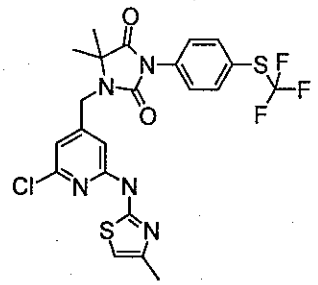
MS (LC-MS): 597.06; retention time: 2.08 min.
The synthesis is described in Scheme 2.

**Example 134: 1-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-pyrid-3-ylthiourea**



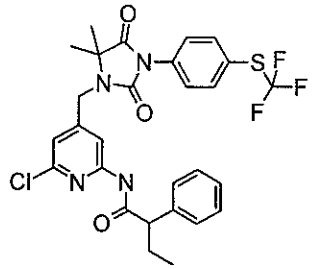
MS (LC-MS): 546.11; retention time: 1.89 min.
The synthesis is described in Scheme 2.

**Example 135: 1-[2-Chloro-6-(4-methylthiazol-2-ylamino)-pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



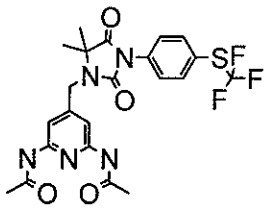
MS (LC-MS): 541.06; retention time: 2.49 min.
The synthesis is described in Scheme 3.

**Example 136: N-{6-Chloro-4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-yl-methyl]pyrid-2-yl}-2-phenylbutyramide**



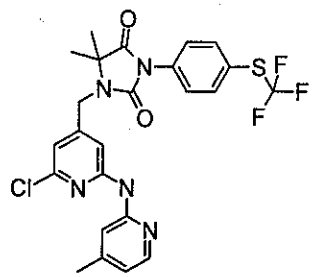
MS (LC-MS): 541.06; retention time: 2.49 min.
The synthesis is described in Scheme 3.

**Example 137: N-{6-Acetylamino-4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}acetamide**



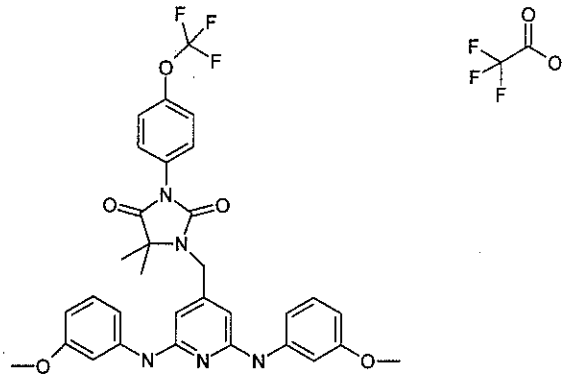
MS (LC-MS): 509.13; retention time: 1.73 min.
The synthesis is described in Scheme 3.

**Example 138: 1-[2-Chloro-6-(4-methylpyrid-2-ylamino)-pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



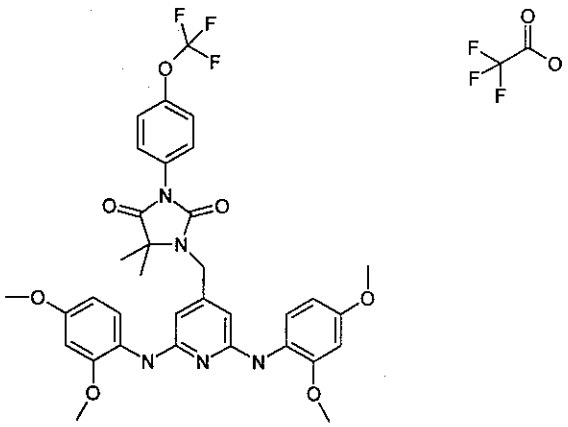
MS (LC-MS): 535.11; retention time: 1.90 min.
The synthesis is described in Scheme 3.

**Example 139: 1-[2,6-bis(3-Methoxyphenylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid**



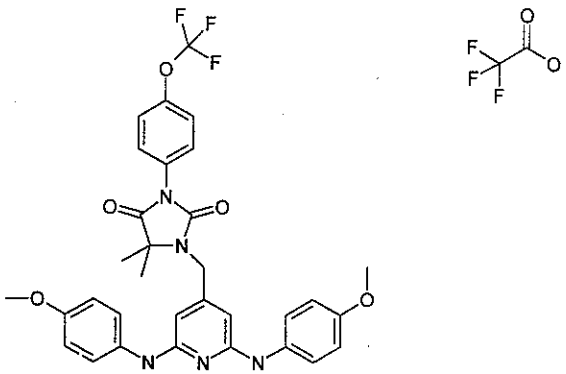
MS (LC-MS): 621.22; retention time: 1.95 min.
The synthesis is described in Scheme 3.

**Example 140: 1-[2,6-bis(2,4-Dimethoxyphenylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid**



MS (LC-MS): 681.24; retention time: 1.83 min.
The synthesis is described in Scheme 3.

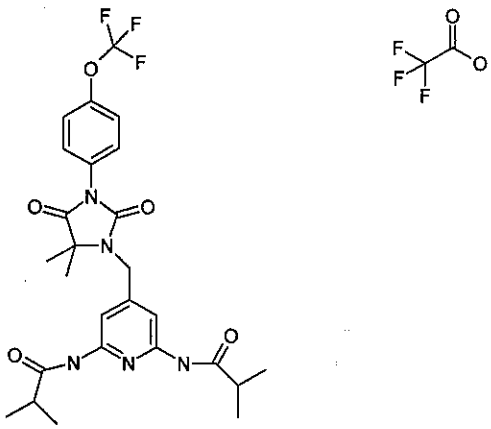
**Example 141: 1-[2,6-bis(4-Methoxyphenylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid**



MS (LC-MS): 621.22; retention time: 1.63 min.

The synthesis is described in Scheme 3.

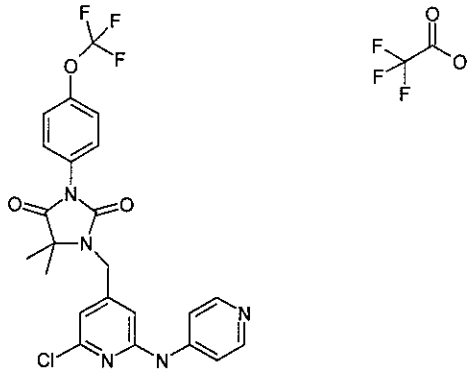
**Example 142: N-{4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethoxyphenyl)imidazolidin-1-ylmethyl]-6-estobutyrylaminopyrid-2-yl}isobutyramide; compound with trifluoroacetic acid**



MS (LC-MS): 549.22; retention time: 1.83 min.

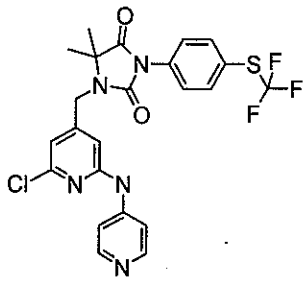
The synthesis is described in Scheme 3.

**Example 143: 1-[2-Chloro-6-(pyrid-4-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione; compound with trifluoroacetic acid**



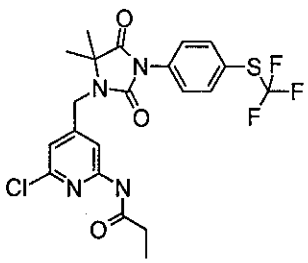
MS (LC-MS): 563.19; retention time: 2.61 min.
The synthesis is described in Scheme 3.

**Example 144: 1-[2-Chloro-6-(pyrid-4-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



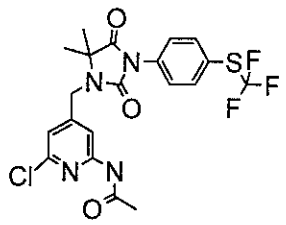
MS (LC-MS): 521.09; retention time: 1.91 min.
The synthesis is described in Scheme 3.

**Example 145: N-{6-Chloro-4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridin-2-yl}propionamide**



MS (LC-MS): 500.09; retention time: 2.46.
The synthesis is described in Scheme 3.

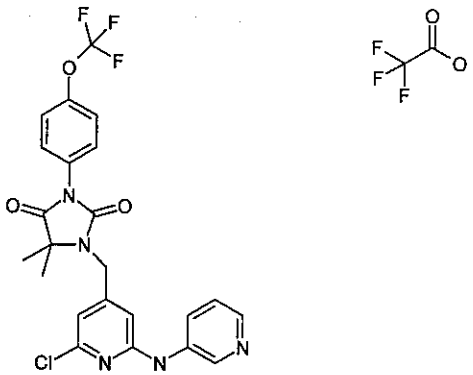
**Example 146: N-{6-Chloro-4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}acetamide**



MS (LC-MS): 486.90; retention time: 2.15.

The synthesis is described in Scheme 3.

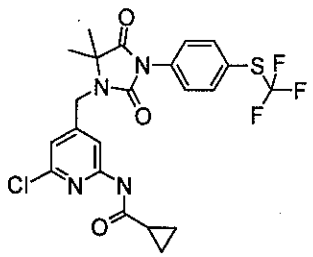
**Example 147: 1-[2-Chloro-6-(pyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione; compound with trifluoroacetic acid**



MS (LC-MS): 505.11; retention time: 2.27.

The synthesis is described in Scheme 3.

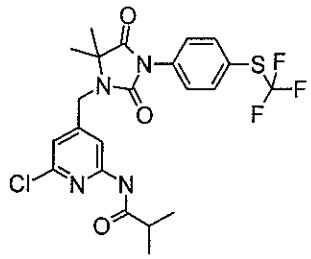
**Example 148: Cyclopropanecarboxylic acid {6-Chloro-4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}amide**



MS (LC-MS): 512.09; retention time: 2.32.

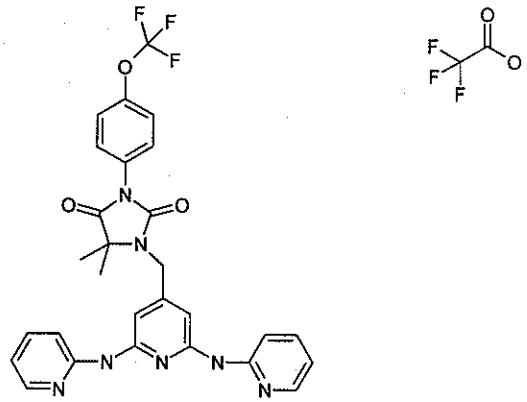
The synthesis is described in Scheme 3.

**Example 149: N-{6-Chloro-4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-yl-methyl]pyrid-2-yl}isobutyramide**



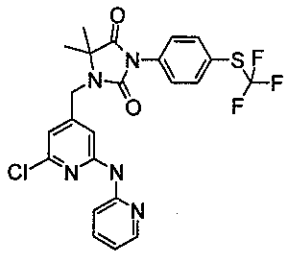
MS (LC-MS): 514.11; retention time: 1.63.
The synthesis is described in Scheme 3.

**Example 150: 1-[2,6-bis(Pyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione; compound with trifluoroacetic acid**



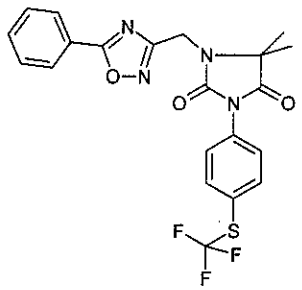
MS (LC-MS): 563.15; retention time: 1.70 min.
The synthesis is described in Scheme 3.

**Example 151: 1-[2-Chloro-6-(pyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



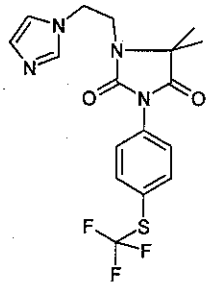
MS (LC-MS): 521.09; retention time: 1.78 min.
The synthesis is described in Scheme 3.

**Example 152: 5,5-Dimethyl-1-(5-phenyl[1,2,4]oxadiazol-3-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**



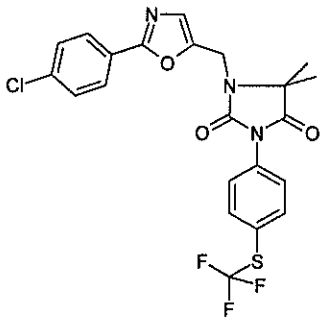
MS (LC-MS): 462.10; retention time: 2.77 min.
The synthesis is described in Scheme 4.

**Example 153: 1-(2-Imidazol-1-ylethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 398.10; retention time: 1.49 min.
The synthesis is described in Scheme 4.

**Example 154: 1-[2-(4-Chlorophenyl)oxazol-5-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 495.06; retention time: 2.99 min.
The synthesis is described in Scheme 4.

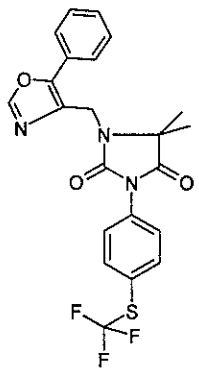
**Example 155: Preparation of 1-isoquinolin-5-yl-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

500 mg (2.4 mmol) of 2-(isoquinolin-5-ylamino)-2-methylpropionitrile, 1.6 mg (0.013 mmol) of benzoic acid and 526 mg (2.4 mmol) of 4-(trifluoromethylthio)phenyl isocyanate in 4 ml of chlorobenzene were refluxed for 2 days. The resulting mixture was filtered and the filtrate was evaporated to dryness. The intermediate imine was separated out by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA). 60 mg of the resulting product were stirred for 1 hour at 40°C with 1N hydrochloric acid. The solvent was evaporated off and the residue taken up in sodium hydrogen carbonate solution and extracted with ethyl acetate. The combined organic phases were dried and the residue remaining after evaporation was purified by flash chromatography ($SiO_2$, methylene chloride/ methanol = 98/2) leading to 38 mg of the desired product.

$M+H^+$ = 432.

LC/MS retention time = 1.245.

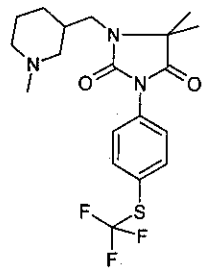
**Example 156: 5,5-Dimethyl-1-(5-phenyloxazol-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 461.10, retention time: 2.63 min.

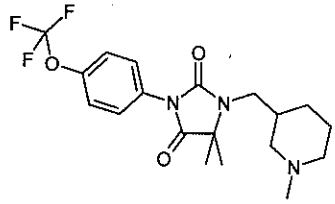
The synthesis is described in Scheme 4.

**Example 157: 5,5-Dimethyl-1-(1-methylpiperid-3-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



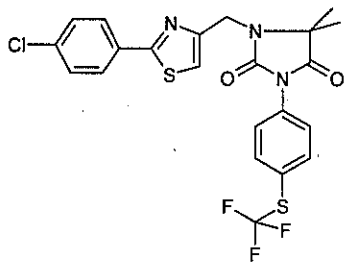
MS (LC-MS): 415.15; retention time: 1.63.
The synthesis is described in Scheme 4.

**Example 158: 5,5-Dimethyl-1-(1-methylpiperid-3-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



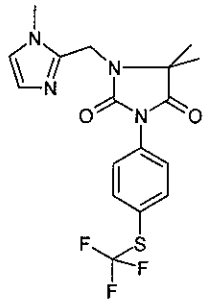
MS (LC-MS): 499.18; Retention time: 1.39.
The synthesis is described in Scheme 4.

**Example 159: 1-[2-(4-Chlorophenyl)thiazol-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 511.04; retention time: 3.12.
The synthesis is described in Scheme 4.

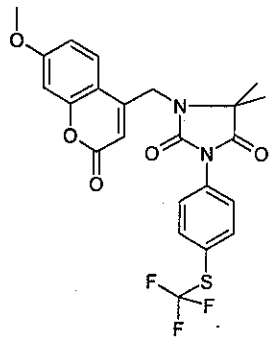
**Example 160: 5,5-Dimethyl-1-(1-methyl-1H-imidazol-2-yl-methyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 398.10; retention time: 1.53.

The synthesis is described in Scheme 4.

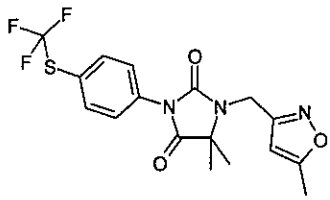
**Example 161: 1-(7-Methoxy-2-oxo-2H-chromen-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 492.48; retention time: 1.84.

The synthesis is described in Scheme 4.

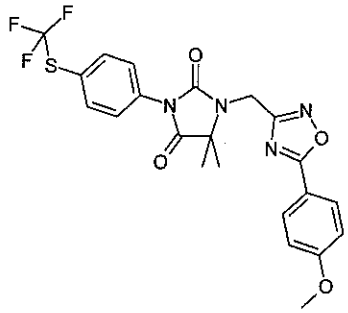
**Example 162: 5,5-Dimethyl-1-(5-methylestoxazol-3-yl-methyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 500.09; retention time: 2.52.

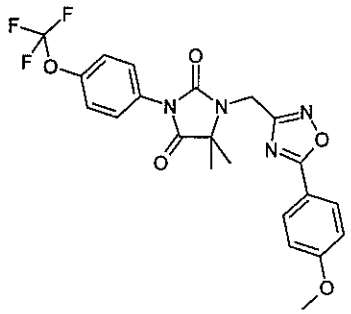
The synthesis is described in Scheme 4.

**Example 163: 1-[5-(4-Methoxyphenyl)[1,2,4]oxadiazol-3-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**



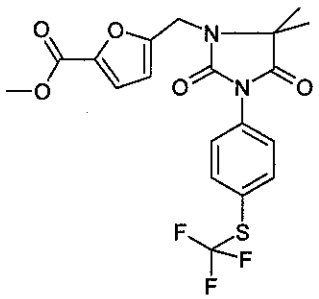
MS (LC-MS): 492.11; retention time: 1.87.
The synthesis is described in Scheme 4.

**Example 164: 1-[5-(4-Methoxyphenyl)[1,2,4]oxadiazol-3-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione**



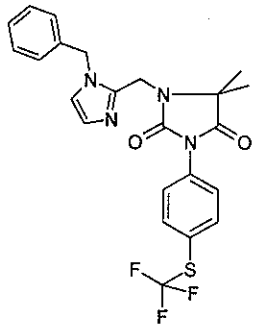
MS (LC-MS): 476.13; retention time: 2.03.
The synthesis is described in Scheme 4.

**Example 165: Methyl 5-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]-furan-2-carboxylate**



MS (LC-MS): 442.42; retention time: 1.74.
The synthesis is described in Scheme 4.

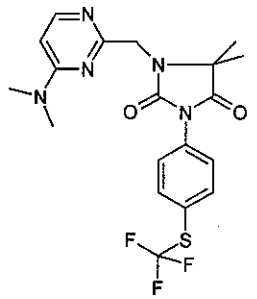
**Example 166: 1-(1-Benzyl-1H-imidazol-2-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 474.13; retention time: 2.02.

The synthesis is described in Scheme 4.

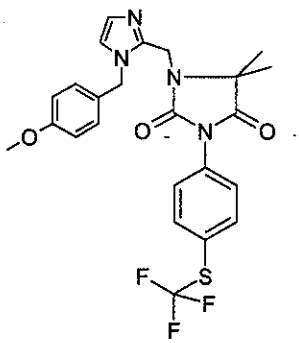
**Example 167: 1-(4-Dimethylaminopyrimidin-2-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione**



MS (LC-MS): 439.46; retention time: 1.91.

The synthesis is described in Scheme 4.

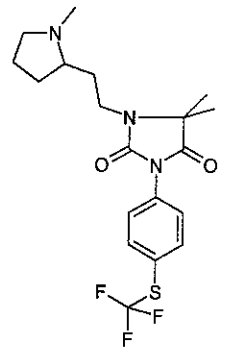
**Example 168: 1-[1-(4-Methoxybenzyl)-1H-imidazol-2-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 504.14; retention time: 2.24.

The synthesis is described in Scheme 4.

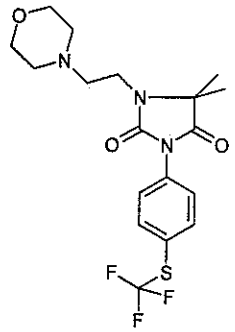
**Example 169: 5,5-Dimethyl-1-[2-(1-methylpyrrolidin-2-yl)ethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 415.15; retention time: 1.66 min.

The synthesis is described in Scheme 4.

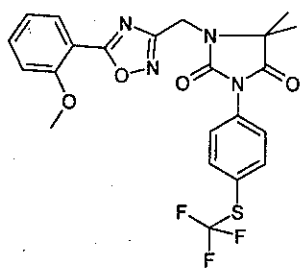
**Example 170: 5,5-Dimethyl-1-(2-morpholin-4-ylethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**



MS (LC-MS): 417.13; retention time: 1.62 min.

The synthesis is described in Scheme 4.

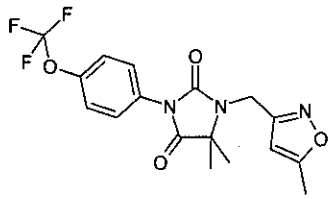
**Example 171: 1-[5-(2-Methoxyphenyl)[1,2,4]oxadiazol-3-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**



MS (LC-MS): 492.11; retention time: 2.67 min.

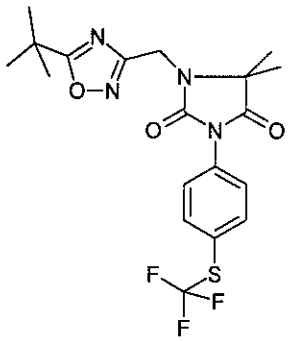
The synthesis is described in Scheme 4.

**Example 172: 5,5-Dimethyl-1-(5-methylestoxazol-3-yl-methyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



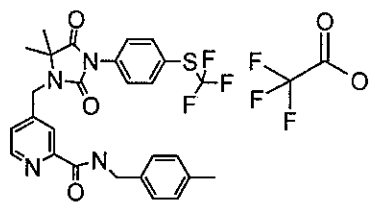
MS (LC-MS): 383.33; retention time: 1.95 min.
The synthesis is described in Scheme 4.

**Example 173: 1-(5-tert-Butyl[1,2,4]oxadiazol-3-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione**



MS (LC-MS): 442.16; retention time: 2.64 min.
The synthesis is described in Scheme 4.

**Example 174: 4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoro-methylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridine-2-carboxylic acid 4-methylbenzylamide; compound with trifluoroacetic acid**



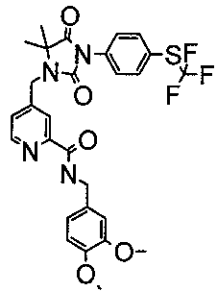
MS (LC-MS): 542.16; retention time: 2.80 min.
The synthesis is described in Scheme 5.

**Example 175: 4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridine-2-carboxylic acid (2-p-tolylethyl)amide**



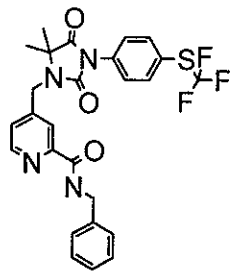
MS (LC-MS): 556.18; retention time: 2.31.
The synthesis is described in Scheme 5.

**Example 176: 4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridine-2-carboxylic acid 3,4-dimethoxybenzylamide**



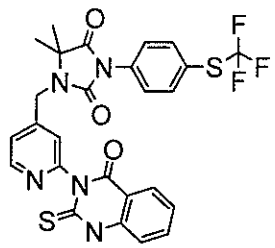
MS (LC-MS): 588.16; retention time: 1.58.
The synthesis is described in Scheme 5.

**Example 177: 4-[5,5-Dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyridine-2-carboxylic acid benzylamide**



MS (LC-MS): 528.14; retention time: 1.77.
The synthesis is described in Scheme 5.

**Example 178: 5,5-Dimethyl-1-[2-(4-oxo-2-thioxo-1,4-dihydro-2H-quinazolin-3-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione**

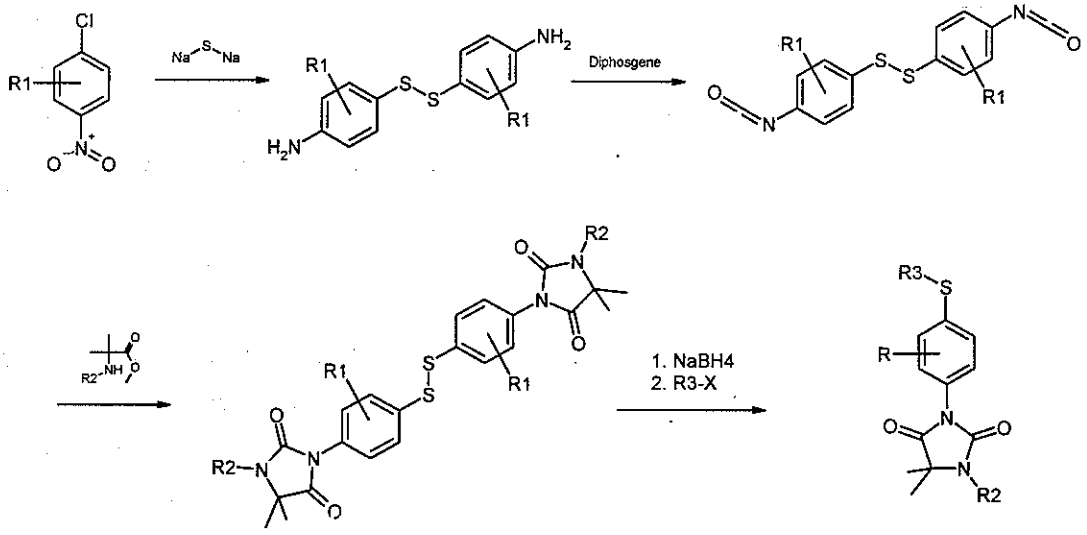


MS (LC-MS): 571.10; retention time: 2.3.

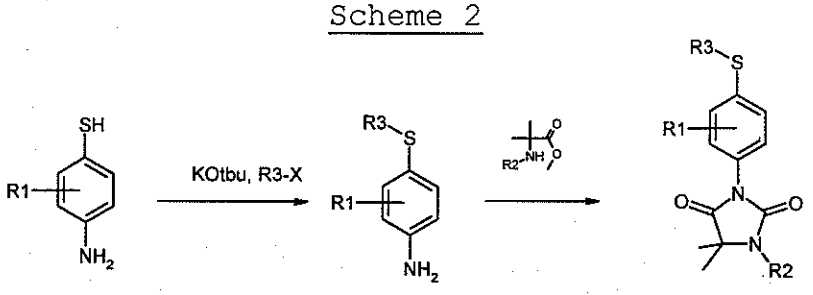
The synthesis is described in Scheme 6

The two reaction schemes below describe the synthesis of products of formula (I) according to the present invention, especially among the products of Examples 178 to 200 below.

Scheme 1




Scheme 2



Bis(4-amino-2-chlorophenyl) disulfide

76.8 g (0.4 mol) of 1,2-dichloro-4-nitrobenzene, suspended in 120 ml of water, were heated to 90°C and treated with a solution of 62.4 g (0.8 mol) of sodium sulfide and 12.8 g (0.4 mol) of sulfur in 200 ml of water.

After refluxing the mixture for 5 hours, 6 g of carbon dioxide was bubbled through the solution, followed by a regular stream of air. The pH was adjusted to 5.5, the mixture was cooled to room temperature and the resulting precipitate was collected by filtration.

The crude material was recrystallized from isopropanol to give 45 g (71%) of the desired product.

$M+H^+$ = 318.

LC/MS retention time = 1.526.

Bis[(2-chloro-4-(4,4-dimethyl-2,5-dioxo-3-pyrid-4-yl-methylimidazolidin-1-yl)]phenyl disulfide

A solution of 13.7 g (69.5 mmol) of diphosgene in 100 ml of toluene was cooled to -20°C and treated with a solution of 5.0 g (15.8 mmol) of bis(4-amino-2-chlorophenyl) disulfide. The resulting mixture was stirred for 30 minutes at room temperature, refluxed for 1 hour and then evaporated to dryness.

2.53 g (about 6.86 mmol) of this material were dissolved in THF and treated with 2.0 g (9.5 mmol) of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propionate. The mixture was stirred for 3 hours at room temperature, evaporated to dryness and the resulting solid was purified by flash chromatography ($SiO_2$, methylene chloride/methanol = 97/3) to give 1.8 g (37%) of the desired product.

$M+H^+$ = 722.

LC/MS retention time = 1.176.

**Example 179: Preparation of 3-(4-tert-butylsulfanyl-3-chlorophenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

200 mg (0.28 mol) of bis[(2-chloro-4-(4,4-dimethyl-2,5-dioxo-3-pyrid-4-ylmethylimidazolidin-1-yl)]phenyl disulfide were dissolved in 10 ml of methanol and treated with 22 mg (0.56 mmol) of sodium borohydride. After stirring for 30 minutes at room temperature, the mixture was evaporated to dryness. The residue was dissolved in 10 ml of sulfuric acid (75%) and added to 20 ml of sulfuric acid (75%) saturated with isobutylene. The mixture was stirred for 20 minutes at room temperature and then added cautiously to a cooled solution of sodium hydroxide in water. The alkaline aqueous phase was extracted three times with ethyl acetate, the combined organic phases were dried over sodium sulfate and the material remaining after evaporation was filtered through silica gel (methylene chloride/methanol = 95/5). The resulting crude product was purified by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA) leading to 120 mg (81%) of the desired product.

$M+H^+$ = 418.

LC/MS retention time = 1.249.

General procedure 1A: Preparation of 3-(3-chloro-4-alkylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-diones

445 mg (0.62 mol) of bis[(2-chloro-4-(4,4-dimethyl-2,5-dioxo-3-pyrid-4-ylmethylimidazolidin-1-yl)]phenyl disulfide were dissolved in 15 ml of methanol and treated with 49 mg (1.24 mmol) of sodium borohydride. After stirring for 30 minutes at room temperature, 1.24 mmol of the respective alkyl halide were added and the resulting mixture was refluxed for 1 hour. The solvent was removed by evaporation and the remaining crude materials were

purified by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA).

**Example 180: Preparation of 3-(3-chloro-4-isopropylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione**

Synthesized according to the general procedure 1A.
$M+H^+$ = 404.
LC/MS retention time = 1.196.

**Example 181: Preparation of 3-(3-chloro-4-isobutylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.
$M+H^+$ = 418.
LC/MS retention time = 1.272.

**Example 182: Preparation of 3-(3-chloro-4-methylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione**

Prepared according to the general procedure 1A.
$M+H^+$ = 376.
LC/MS retention time = 1.054.

**Example 183: Preparation of 3-[3-chloro-4-(3-methoxypropylsulfanyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.
$M+H^+$ = 434.
LC/MS retention time = 1.096.

**Example 184: Preparation of 3-[3-chloro-4-(2-morpholin-4-ylethylsulfanyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.
$M+H^+$ = 475.
LC/MS retention time = 0.792

**Example 185: Preparation of 3-{3-chloro-4-[2-(1-methyl-pyrrolidin-2-yl)ethylsulfanyl]phenyl}-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.

$M+H^+ = 473$.

LC/MS retention time = 0.865.

**Example 186: Preparation of 3-{3-chloro-4-[3-(4-methyl-piperazin-1-yl)propylsulfanyl]phenyl}-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.

$M+H^+ = 502$.

LC/MS retention time = 0.795.

**Example 187: Preparation of 3-[3-chloro-4-(3-hydroxy-propylsulfanyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.

$M+H^+ = 420$.

LC/MS retention time = 0.968.

**Example 188: Preparation of 3-[3-chloro-4-(2-hydroxy-ethylsulfanyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 1A.

$M+H^+ = 406$.

LC/MS retention time = 0.921.

**Example 189: Preparation of [2-chloro-4-(4,4-dimethyl-2,5-dioxo-3-pyrid-4-ylmethylimidazolidin-1-yl)phenyl-sulfanyl]acetonitrile trifluoroacetate**

Prepared according to the general procedure 1A.

$M+H^+ = 401$.

LC/MS retention time = 0.999.

3-nitro-4-trifluoromethoxyaniline

20 g (112.9 mmol) of 4-trifluoromethoxyaniline were dissolved in 50 ml of concentrated sulfuric acid at a temperature of 0 to 5°C, and treated with 30 ml of a 4/1 mixture of sulfuric acid and nitric acid. The mixture was stirred for 5 hours at 0°C and then poured into an ice-water mixture and basified with 200 ml of concentrated aqueous ammonia solution. Extraction with EE, drying with sodium sulfate, evaporation to dryness and recrystallization from ethyl acetate/heptane gave 15.5 g (63%) of the desired product.

$M+H^+$ = 223.

LC/MS retention time = 1.378.

**Example 190: Preparation of trifluoroacetic acid; 5,5-dimethyl-3-(3-nitro-4-trifluoromethoxyphenyl)-1-pyrid-4-ylmethylimidazolidine-2,4-dione**

2.27 g (11.5 mmol) of diphosgene in 1,2-dichloroethane were added at -20°C to 1.0 g (4.5 mmol) of 3-nitro-4-trifluoromethoxyaniline, dissolved in 20 ml of 1,2-dichloroethane. The mixture was stirred for 1 hour while being allowed to return to room temperature, and was then heated at 50°C for 2 hours. After leaving to stand overnight, the solvent was evaporated off and the residue was taken up in dry THF and treated with 937 mg (4.5 mmol) of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propionate. The mixture was stirred for 2 hours at room temperature and for 1 hour at 40°C, and then evaporated to dryness, and the remaining residue was purified (RP 18, acetonitrile, water, 0.01% TFA) to give 1.15 g (61%) of the desired product.

$M+H^+$ = 425.

LC/MS retention time = 1.324.

**Example 191: Preparation of 3-(3-amino-4-trifluoromethoxyphenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione**

9.63 g (22.7 mmol) of 5,5-dimethyl-3-(3-nitro-4-trifluoromethoxyphenyl)-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate were dissolved in semi-concentrated hydrochloric acid, heated to reflux and treated with 30 g of zinc dust. After 1.5 hours, the mixture was cooled, filtered and extracted twice with tert-butyl methyl ether. The aqueous phase was basified with 6N sodium hydroxide and extracted with tert-butyl methyl ether, and the combined organic phases were dried over sodium sulfate. Evaporation of the solvent gave 5.0 g (56%) of the desired product.

$M+H^+$ = 395.

LC/MS retention time = 0.948.

**Example 192: Preparation of 5,5-dimethyl-1-pyrid-4-ylmethyl-3-[4-(2,2,2-trifluoroethoxy)phenyl]imidazolidine-2,4-dione**

688 mg (3.6 mmol) of 2,2,2-trifluoroethoxyaniline in 30 ml of methylene chloride were added at 0°C to 356 mg (3.6 mmol) of triethylamine and a solution of 356 mg (1.2 mmol) of triphosgene in 30 ml of methylene chloride. The mixture was stirred overnight while being allowed to return to room temperature. Next, the solvent was evaporated off and the residue was taken up in 15 ml of THF and treated with 100 mg (0.48 mmol) of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propionate and 48.5 mg (0.48 mmol) of triethylamine. The mixture was stirred for 4 hours at room temperature and for 1 hour at 50°C, and then evaporated to dryness, and the remaining residue was purified by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA) to give 67 g (36%) of the desired product.

$M+H^+$ = 394.

LC/MS retention time = 1.032.

**Example 193: Preparation of 3-(8-chloro-3,4,4-trimethylthiochroman-6-yl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione**

200 mg (0.28 mol) of bis[(2-chloro-4-(4,4-dimethyl-2,5-dioxo-3-pyrid-4-ylmethylimidazolidin-1-yl)]phenyl disulfide were dissolved in 10 ml of methanol and treated with 22 mg (0.56 mmol) of sodium borohydride. After stirring for 30 minutes at room temperature, the mixture was evaporated to dryness. The residue was dissolved in 10 ml of sulfuric acid (75%) and added to 20 ml of sulfuric acid (75%) saturated with isobutylene. The mixture was stirred for 30 minutes at 40°C, while a regular airstream of isobutylene was bubbled through the solution. After leaving to stand overnight, the mixture was added cautiously to a cooled solution of sodium hydroxide in water. The alkaline aqueous phase was extracted three times with ethyl acetate, the combined organic phases were dried with sodium sulfate and the material remaining after evaporation was filtered through silica gel (95/5 methylene chloride/methanol). The resulting crude product was purified by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA) to give 70 mg (56%) of the desired product.

$M+H^+$ = 444.

LC/MS retention time = 1.240.

**Example 194: Preparation of 1-(2-chlorothiazol-5-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate**

200 mg (0.65 mmol) of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione, 115 mg (0.82 mmol) of potassium carbonate and 276 mg (1.64 mmol) of 2-chloro-5-chloromethylthiazole were dissolved in 2 ml of DMF and stirred at room temperature for 2 days. The

mixture was poured into water and extracted three times with ethyl acetate, the combined organic phases were dried over sodium sulfate and the material remaining after evaporation was purified by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA) to give 143 mg (50%) of the desired product.

$M+H^+$ = 436.

LC/MS retention time = 1.784.

**Example 195: Preparation of 3-[3-chloro-4-(propane-2-sulfonyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione**

40 mg (0.1 mmol) of 3-(3-chloro-4-isopropyl-sulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimida-zolidine-2,4-dione were dissolved in 2 ml of methylene chloride and treated with a solution of 37 mg (0.15 mmol) of m-chloroperbenzoic acid in 2 ml of methylene chloride. The reaction was monitored by TLC and stopped when the sulfoxide and the sulfone were formed in equal amounts. The mixture was evaporated to dryness and purified by flash chromatography ($SiO_2$, 98/2 methylene chloride/methanol) to give 4 mg of 3-[3-chloro-4-(propane-2-sulfonyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione and 7 mg of 3-[3-chloro-4-(propane-2-sulfinyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione.

$M+H^+$ = 436.

LC/MS retention time = 0.970.

**Example 196: Preparation of 3-[3-chloro-4-(propane-2-sulfinyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimi-dazolidine-2,4-dione**

Prepared as described above.

$M+H^+$ = 420.

LC/MS retention time = 0.932.

2-(Isoquinolin-5-ylamino)-2-methylpropionitrile:

5.0 g (34.7 mmol) of 5-aminoisoquinoline, 5.1 ml (69.4 mmol) of acetone and 945 mg (6.94 mmol) of zinc chloride were dissolved in 100 ml of acetonitrile and treated at 0°C with 6.9 g (69.4 mmol) of trimethylsilyl cyanide. The mixture was refluxed for 3 hours, the solvent was then evaporated off and the residue was taken up in 200 ml of sodium hydrogen carbonate and extracted 3 times with ethyl acetate. The combined organic phases were dried and the residue remaining after evaporation was purified by flash chromatography ($SiO_2$, 95/5 methylene chloride/methanol) to give 6.0 g (82%) of the desired product.

$M+H^+$ = 212.

LC/MS retention time = 0.696.

General procedure 2: Synthesis of alkylsulfanylanilines

1.1 g (8 mmol) of 4-aminothiophenol and 896 mg (8 mmol) of potassium tert-butoxide were dissolved in 10 ml of DMF and stirred for 45 minutes under an argon atmosphere. Next, 8.8 mmol of the corresponding alkyl bromide were added, the mixture was stirred for 3 hours at room temperature, poured into water and extracted with ethyl acetate. The combined organic phases were dried and evaporated. The residual product was essentially pure and could be used without further purification.

4-(3-Methoxypropylsulfanyl)phenylamine

Prepared according to the general procedure 2.

$M+H^+$ = 197.

LC/MS retention time = 0.777.

4-Isopropylsulfanylphenylamine

Prepared according to the general procedure 2.

$M+H^+$ = 266.

LC/MS retention time = 0.173.

4-[3-(4-Methylpiperazin-1-yl)propylsulfanyl]phenylamine

Prepared according to the general procedure 2.

$M+H^+$ = 168.

LC/MS retention time = 0.894.

General procedure 3: Preparation of 3-(3-chloro-4-alkylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-diones

371 mg (2.3 mmol) of carbonyldiimidazole, 41 mg (0.5 mmol) of imidazole and 1.9 mmol of the respective alkylsulfanylaniline were dissolved at 0°C in 10 ml of THF and stirred for 1 hour. Next, 280 mg (1.35 mmol) of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propionate dissolved in 5 ml of THF were added and the mixture was refluxed for 5 hours. The solvent was then evaporated off and the material remaining after evaporation was purified by preparative HPLC chromatography (RP 18, acetonitrile, water, 0.01% TFA).

**Example 197: Preparation of 5,5-dimethyl-3-(4-methylsulfanylphenyl)-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 3.

$M+H^+$ = 342.

LC/MS retention time = 0.942.

**Example 198: Preparation of 3-[4-(3-methoxypropylsulfanyl)phenyl]-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 3.

$M+H^+$ = 400.

LC/MS retention time = 1.007.

**Example 199: Preparation of 3-(4-isopropylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 3.

$M+H^+$ = 370.

LC/MS retention time = 1.096.

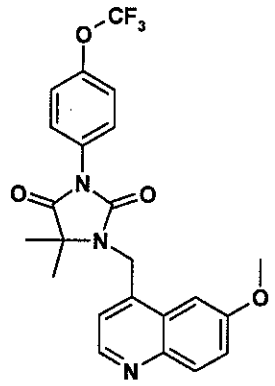
**Example 200: Preparation of 5,5-dimethyl-3-{4-[3-(4-methylpiperazin-1-yl)propylsulfanyl]phenyl}-1-pyrid-4-ylmethylimidazolidine-2,4-dione trifluoroacetate**

Prepared according to the general procedure 3.

$M+H^+$ = 468.

LC/MS retention time = 0.689

**Example 201: 5,5-Dimethyl-1-(6-methoxyquinolin-4-yl-methyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



0.1 g of sodium hydride (60%) is added to a solution of 0.65 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione in 40 ml of anhydrous THF, under an inert atmosphere of argon at a temperature in the region of 20°C. Stirring is maintained at this temperature for 30 minutes. 0.47 g of 4-chloromethyl-6-methoxyquinoline dissolved in 10 ml of THF is added. The reaction mixture is refluxed for 16 hours. After cooling, 100 ml of water and 75 ml of ethyl acetate are added. After separation of the phases by settling, the organic phase is dried over sodium sulfate, filtered and then concentrated under reduced pressure. The brown oil obtained is purified by flash chromatography ($SiO_2$, 50/50 EtOAc/cyclohexane by volume as eluent, Ar). The fractions containing the product are concentrated under reduced

pressure. 0.36 g of 5,5-dimethyl-1-(6-methoxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 3.96 (s: 3H); 5.10 (broad s: 2H); 7.46 (dd, J = 9 and 3 Hz: 1H); 7.54 (d, J = 3 Hz: 1H); 7.56 (broad d, J = 9 Hz: 2H); 7.61 (d, J = 4.5 Hz: 1H); 7.68 (broad d, J = 9 Hz: 2H); 8.00 (d, J = 9 Hz: 1H); 8.72 (d, J = 4.5 Hz: 1H).

Mass EI m/z=459 M+. base peak

m/z=213 $C_{12}H_9N_2O_2^+$

m/z=172 $C_{11}H_{10}NO^+$

The compound 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione is prepared according to the procedure described in Example 63.

Preparation of 4-chloromethyl-6-methoxyquinoline

1.16 ml of triethylamine and 0.64 ml of methanesulfonyl chloride are successively added to a solution of 1.2 g of 4-hydroxymethyl-6-methoxyquinoline in 45 ml of dichloromethane, under an inert atmosphere of argon at a temperature in the region of 20°C. Stirring is continued at this temperature for 3 hours. The reaction medium is concentrated under reduced pressure to give a brown residue. The product is used without further purification in the following step.

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 3.97 (s: 3H); 5.30 (s: 2H); 7.48 (dd, J = 9 and 3 Hz: 1H); 7.52 (d, J = 3 Hz: 1H); 7.62 (d, J = 4.5 Hz: 1H); 8.00 (d, J = 9 Hz: 1H); 8.75 (d, J = 4.5 Hz: 1H).

Mass EI m/z=207 $M^{+\cdot}$

m/z=172 $(M - Cl)^+$ base peak

m/z=157 $(m/z=172 - CH_3)^+$

m/z=129 $(m/z=157 - CO)^+$

Preparation of 4-hydroxymethyl-6-methoxyquinoline

17 ml of a 1M solution of $LiAlH_4$ in THF is added dropwise to a solution of 4 g of 4-ethoxycarbonyl-6-methoxyquinoline in 100 ml of anhydrous THF, under an inert atmosphere of argon at a temperature in the region of 5°C. The reaction medium is maintained at a temperature in the region of 20°C for 16 hours with stirring and 50 ml of water and 50 ml of ethyl acetate are added. After separation of the phases by settling, the organic phase is dried over sodium sulfate, filtered and then concentrated under reduced pressure. The foam obtained is purified by flash chromatography ($SiO_2$, EtOAc as eluent, Ar). The fractions containing the product are concentrated under reduced pressure. 0.86 g of 4-hydroxymethyl-6-methoxyquinoline is thus obtained, the characteristics of which are as follows:

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 3.93 (s: 3H); 5.02 (d, J = 5.5 Hz: 2H); 5.57 (t, J = 5.5 Hz: 1H); 7.30 (d, J = 3 Hz: 1H); 7.38 (dd, J = 9 and 3 Hz: 1H); 7.50 (d, J = 4.5 Hz: 1H); 7.92 (d, J = 9 Hz: 1H); 8.69 (d, J = 4.5 Hz: 1H).

Mass EI, m/z=189 $M^{+\cdot}$ base peak

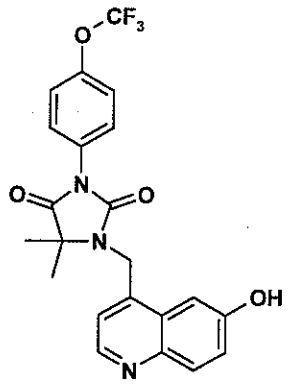
m/z=174 $(M - CH_3)^+$

m/z=160 $(M - CHO)^+$

m/z=146 $(m/z=174 - CO)^+$

m/z=117 $(m/z=146 - CHO)^{+\cdot}$

**Example 202: 5,5-Dimethyl-1-(6-hydroxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



6 ml of a 1M solution of boron tribromide in $CH_2Cl_2$ are added to a solution of 0.26 g of 5,5-dimethyl-1-(6-methoxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione in 40 ml of dichloromethane, under an inert atmosphere of argon at a temperature in the region of 0°C. The reaction medium is maintained at a temperature in the region of 20°C for 16 hours with stirring. 5 ml of methanol are added dropwise. After stirring for 30 minutes at this temperature, 50 ml of water, 30 ml of $CH_2Cl_2$ and 10 ml of saturated $NaHCO_3$ solution are added. After separation of the phases by settling, the organic phase is dried over sodium sulfate, filtered and then concentrated under reduced pressure. The beige-colored foam obtained is purified by flash chromatography ($SiO_2$, EtOAc as eluent, Ar). The fractions containing the product are concentrated under reduced pressure. 0.17 g of 5,5-dimethyl-1-(6-hydroxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

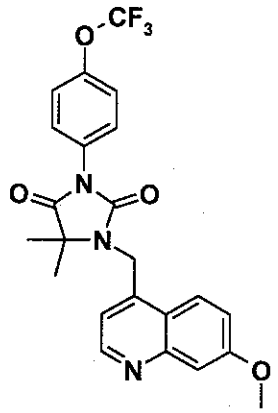
$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.46 (s: 6H); 5.00 (broad s: 2H); 7.30 to 7.40 (mt: 2H); 7.51 (d, J = 4.5 Hz: 1H); 7.55 (broad d, J = 8.5 Hz: 2H); 7.69 (d, J = 8.5 Hz: 2H); 7.94 (d, J = 9 Hz: 1H); 8.64 (d, J = 4.5 Hz: 1H); 10.12 (unresolved complex: 1H).

Mass EI m/z=445 $M^{+\cdot}$

m/z=199 $C_{11}H_7N_2O_2^+$

m/z=158 $C_{10}H_8NO^+$ base peak

**Example 203: 5,5-Dimethyl-1-(7-methoxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



The product is prepared according by following the procedure described in Example 59, starting with 0.94 g of methyl 2-methyl-2-[(7-methoxyquinolin-4-ylmethyl)-amino]propanoate instead of methyl 2-methyl-2-[(quinolin-4-ylmethyl)amino]propanoate used in Example 59, and 1.7 g of 4-(trifluoromethoxyphenyl) isocyanate. After purification by flash column chromatography ($SiO_2$, 70/30 cyclohexane/EtOAc by volume and then 90/10 $CH_2Cl_2$/MeOH by volume as eluents, Ar), 1.45 g of the expected product are obtained.

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 3.96 (s: 3H); 5.12 (broad s: 2H); 7.35 (dd, J = 9 and 3 Hz: 1H); 7.47 (d, J = 3 Hz: 1H); 7.49 (d, J = 4.5 Hz: 1H); 7.55 (broad d, J = 9 Hz: 2H); 7.68 (broad d, J = 9 Hz: 2H); 8.19 (d, J = 9 Hz: 1H); 8.80 (d, J = 4.5 Hz: 1H).

Mass EI m/z=459 $M^{+\cdot}$ base peak

m/z=444 $(M - CH_3)^+$

m/z=213 $C_{12}H_9N_2O_2^+$

m/z=172 $C_{11}H_{10}NO^+$

Preparation of methyl 2-((7-methoxyquinolin-4-yl-methyl)amino)propanoate

A mixture of 1.23 g of methyl α-aminoisobutyrate hydrochloride and 1.12 ml of triethylamine in 30 ml of dichloromethane is stirred at 0°C for 20 minutes. Next, 1 g of magnesium sulfate and 1.5 g of 7-methoxyquinoline-4-carbaldehyde are added. Stirring is continued for 15 hours at room temperature and the mixture is then concentrated under reduced pressure. The residue is taken up in 35 ml of methanol, the solution obtained is cooled to 0°C and 0.31 g of sodium borohydride is then added portionwise. The reaction medium is stirred at a temperature in the region of 20°C for 15 hours. The reaction medium is concentrated under reduced pressure. The residue obtained is taken up in 100 ml of EtOAc. The precipitate formed is filtered off and the filtrate is concentrated under reduced pressure and then purified by flash column chromatography ($SiO_2$, EtOAc as eluent, Ar) to give 0.95 g of the expected product.

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.35 (s: 6H); 2.63 (t, J = 7.5 Hz: 1H); 3.70 (s: 3H); 3.93 (s: 3H); 4.05 (d, J = 7.5 Hz: 2H); 7.28 (dd, J = 9 and 3 Hz: 1H); 7.41 (d, J = 3 Hz: 1H); 7.43 (d, J = 4.5 Hz: 1H); 8.12 (d, J = 9 Hz: 1H); 8.76 (d, J = 4.5 Hz: 1H).

Mass CI m/z=289 $MH^+$ base peak
m/z=229 $(M - C_2H_4O_2)^+$

Preparation of 7-methoxyquinoline-4-carbaldehyde

A mixture of 1.9 g of selenium oxide dissolved in 35 ml of dioxane is added dropwise to a solution of 2.7 g of 4-methyl-7-methoxyquinoline in 35 ml of dioxane preheated to 65°C. At the end of the addition, the brown suspension is heated at a temperature in the region of 80°C for 5 hours. The reaction medium is stirred for 16 hours at a temperature in the region of 20°C. The

greenish suspension is suction-filtered and then washed with EtOAc. The filtrate is concentrated under reduced pressure. The suspension obtained is crystallized from isopropyl ether to give 1.54 g of 7-methoxyquinoline-4-carbaldehyde.

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 3.99 (s: 3H); 7.48 (dd, J = 9 and 3 Hz: 1H); 7.57 (d, J = 3 Hz: 1H); 7.90 (d, J = 4.5 Hz: 1H); 8.89 (d, J = 9 Hz: 1H); 9.19 (d, J = 4.5 Hz: 1H); 10.52 (s: 1H).

Mass CI m/z=188 $MH^+$ base peak

Preparation of 4-methyl-7-methoxyquinoline

4 g of triphenylphosphine, 5.3 g of lithium chloride, 14 ml of tetramethyltin and 2.1 g of bis(triphenylphosphine)palladium(II) chloride are added to a solution of 6 g of 4-bromo-7-methoxyquinoline in 100 ml of DMF, under an inert atmosphere of argon at a temperature in the region of 20°C. The reaction medium is heated at a temperature in the region of 120°C for 16 hours. After cooling, the insoluble material is filtered off. The filtrate is concentrated under reduced pressure. The residue obtained is taken up in 300 ml of EtOAc and 300 ml of water. After separation of the phases by settling, the organic phase is dried over magnesium sulfate, filtered and then concentrated under reduced pressure. The oil obtained is taken up in 300 ml of EtOAc and 300 ml of water and then acidified with hydrochloric acid to pH 1. The aqueous phase is basified with sodium hydroxide to pH 10 and then extracted with 300 ml of EtOAc. After separation of the phases by settling, the organic phase is dried over magnesium sulfate, filtered and then concentrated under reduced pressure to give 2.7 g of 4-methyl-7-methoxyquinoline, the characteristics of which are as follows:

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 2.65 (s: 3H); 3.94 (s: 3H); 7.23 (broad d, J = 4.5 Hz:

1H); 7.28 (dd, J = 9 and 3 Hz: 1H); 7.40 (d, J = 3 Hz: 1H); 8.01 (d, J = 9 Hz: 1H); 8.58 (d, J = 4.5 Hz: 1H).

Mass EI m/z=173 $M^{+\cdot}$ base peak

m/z=158 $(M - CH_3)^+$

m/z=143 $(M - CH_2O)^{+\cdot}$

m/z=130 $(m/z=158 - CO)^+$

Preparation of 4-bromo-7-methoxyquinoline

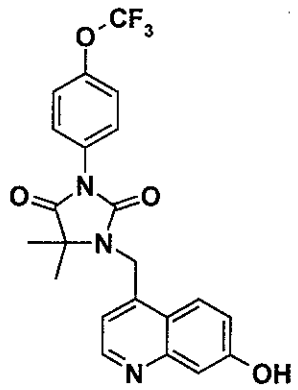
22.74 g of 4-hydroxy-7-methoxyquinoline are added to 200 g of phosphorus oxybromide preheated to a temperature in the region of 110°C. The reaction medium is heated at this same temperature for 3 hours. The reaction medium is poured while hot into a mixture of 500 ml of EtOAc and 500 ml of ice-water. The medium is neutralized with potassium carbonate to pH 7. After separation of the phases by settling, the organic phase is dried over magnesium sulfate, evaporated under reduced pressure and then purified by column chromatography ($SiO_2$, 50/50 EtOAc/cyclohexane by volume as eluents, Ar), to give 14.6 g of the expected product.

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 3.97 (s: 3H); 7.43 (dd, J = 9 and 3 Hz: 1H); 7.49 (d, J = 3 Hz: 1H); 7.79 (d, J = 4.5 Hz: 1H); 8.06 (d, J = 9 Hz: 1H); 8.67 (d, J = 4.5 Hz: 1H).

Mass EI m/z=237 $M^{+\cdot}$ base peak

4-Hydroxy-7-methoxyquinoline is prepared according to the process described in: J. Am. Chem. Soc., 68, 1268, 1946.

**Example 204: 5,5-Dimethyl-1-(7-hydroxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

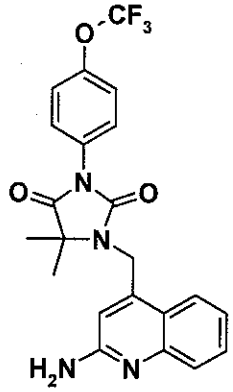


A mixture of 0.89 g of 5,5-dimethyl-1-(7-methoxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione and 5.5 g of pyridine hydrochloride is heated at a temperature in the region of 220°C for 4 hours. After cooling, 200 ml of water and 100 ml of $CH_2Cl_2$ are added. After separation of the phases by settling, the organic phase is dried over sodium sulfate, filtered and then concentrated under reduced pressure. The solid obtained is purified by flash chromatography ($SiO_2$, 40/60 EtOAc/$CH_2Cl_2$ by volume as eluent, Ar). The fractions containing the product are concentrated under reduced pressure. 85 mg of 5,5-dimethyl-1-(7-hydroxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione are thus obtained, the characteristics of which product are as follows:

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 5.08 (broad s: 2H); 7.24 (dd, J = 9 and 3 Hz: 1H); 7.30 (d, J = 3 Hz: 1H); 7.38 (d, J = 4.5 Hz: 1H); 7.55 (broad d, J = 9 Hz: 2H); 7.68 (broad d, J = 9 Hz: 2H); 8.10 (d, J = 9 Hz: 1H); 8.71 (d, J = 4.5 Hz: 1H); from 9.90 to 10.50 (broad unresolved complex: 1H).

Mass EI m/z=445 $M^{+\cdot}$ base peak
m/z=430 $(M - CH_3)^+$
m/z=199 $C_{11}H_7N_2O_2^+$
m/z=158 $C_{10}H_8NO^+$

**Example 205: 5,5-Dimethyl-1-(2-aminoquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



0.44 g of tosyl chloride is added to a solution of 0.8 g of 5,5-dimethyl-1-(N-oxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione in 10 ml of chloroform, under an inert atmosphere of argon at a temperature in the region of 5°C. After stirring for 30 minutes at this same temperature, 1.5 ml of 32% aqueous ammonia are added. The temperature is allowed to rise to 20°C. The reaction medium is stirred at a temperature in the region of 20°C for 16 hours. 100 ml of water are added. After separation of the phases by settling, the organic phase is dried over sodium sulfate, filtered and then concentrated under reduced pressure. The solid obtained is purified by flash chromatography ($SiO_2$, EtOAc as eluent, Ar). The fractions containing the product are concentrated under reduced pressure. 200 mg of 5,5-dimethyl-1-(2-aminoquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione are thus obtained, the characteristics of which are as follows:

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.49 (s: 6H); 4.96 (broad s: 2H); 6.36 (broad s: 2H); 6.81 (s: 1H); 7.23 (mt: 1H); 7.51 (mt: 2H); 7.58 (broad d, J = 9 Hz: 2H); 7.68 (broad d, J = 9 Hz: 2H); 7.91 (d, J = 8.5 Hz: 1H).

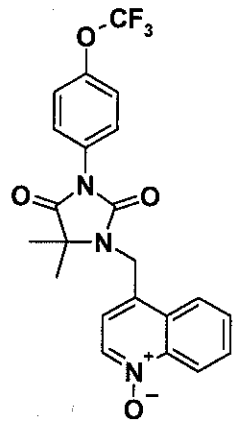
Mass EI m/z=444$M^{+\cdot}$ base peak

m/z=429 $(M - CH_3)^+$

m/z=198 $C_{11}H_8N_3O^+$

m/z=158 $C_{10}H_{10}N_2^+$

**Example 206: 5,5-Dimethyl-1-(N-oxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

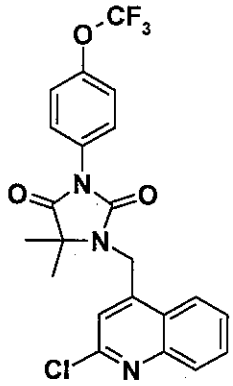


0.78 g of m-chloroperbenzoic acid is added to a solution of 1.95 g of 5,5-dimethyl-1-(quinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione in 200 ml of chloroform and 10 ml of methanol, under an inert atmosphere of argon at a temperature in the region of 20°C. The reaction medium is stirred at a temperature in the region of 20°C for 4 hours. A further 0.8 g of m-chloroperbenzoic acid is added. The reaction medium is concentrated under reduced pressure. The product is crystallized from isopropyl ether to give 1.76 g of 5,5-dimethyl-1-(N-oxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione, the characteristics of which are as follows:

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 5.09 (broad s: 2H); 7.55 (broad d, J = 8.5 Hz: 2H); 7.63 (d, J = 4.5 Hz: 1H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.85 (broad t, J = 8.5 Hz: 1H); 7.91 (broad t, J = 8.5 Hz: 1H); 8.35 (broad d, J = 8.5 Hz: 1H); 8.56 (d, J = 4.5 Hz: 1H); 8.64 (broad d, J = 8.5 Hz: 1H).

Mass ES m/z=446 $MH^+$ base peak

**Example 207: 5,5-Dimethyl-1-(2-chloroquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**



0.17 ml of phosphorus oxychloride is added to a solution of 4 ml of DMF and 2 ml of toluene, under an inert atmosphere of argon at a temperature in the region of 5°C. After stirring for 30 minutes at this same temperature, 0.4 g of 5,5-dimethyl-1-(N-oxyquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione in 10 ml of toluene is added. The reaction medium is stirred at a temperature in the region of 5°C for 2 and a half hours. The temperature is allowed to rise to 20°C. The reaction medium is concentrated under reduced pressure. The residue obtained is taken up in 50 ml of EtOAc and washed with saturated $NaHCO_3$ solution. After separation of the phases by settling, the organic phase is dried over sodium sulfate, filtered and then concentrated under reduced pressure. The product is crystallized from isopropyl ether to give 0.37 g of 5,5-dimethyl-1-(2-chloroquinolin-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione, the characteristics of which product are as follows:

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.50 (s: 6H); 5.17 (broad s: 2H); 7.56 (broad d, J = 8.5 Hz: 2H); 7.71 (broad d, J = 8.5 Hz: 2H); 7.76 (s: 1H); 7.76 (resolved t, J = 8 and 1.5 Hz: 1H); 7.89 (resolved t, J = 8 and 1.5 Hz: 1H); 8.03 (broad d, J = 8 Hz: 1H); 8.31 (broad d, J = 8 Hz: 1H).

Mass EI m/z=463 $M^{+\cdot}$ base peak
m/z=448 $(M - CH_3)^+$
m/z=428 $(M - Cl)^+$
m/z=358 $(m/z=428 - C_4H_6O)^+$
m/z=217 $C_{11}H_6N_2OCl^+$
m/z=176 $C_{10}H_7NCl^+$

**Example 208: 5,5-Dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

0.028 g of sodium hydride is added to a solution of 0.1 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione in 2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, 0.1 g of 2-chloro-4-(bromomethyl)pyridine in 2 ml of dimethylformamide is added, followed by addition of ice-water after reaction for 10 minutes. The reaction mixture is deposited on a cartridge 20 mm in diameter packed with 17 g of 50 µm octadecyl-grafted silica conditioned successively with acetonitrile and then with water. Elution was performed by gradient using a mixture (water/acetonitrile) of from 0 to 100% acetonitrile. The fractions containing the expected product are concentrated under reduced pressure. 0.130 g of crude product is thus obtained, and is purified by a double chromatography using a cartridge packed with 10 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (8/2), (v/v), at a flow rate of 5 ml/minute. The fractions between 30 and 75 ml are concentrated under reduced pressure. 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white powder, the characteristics of which are as follows:

m.p. 134°C

Mass EI m/z=413 $M^{+\cdot}$ base peak

m/z=398 $(M - CH_3)^+$

m/z=203 $C_8H_4NO_2F_3^{+\cdot}$

m/z=167 $C_7H_4N_2OCl^+$

m/z=126 $C_6H_5NCl^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 4.67 (s: 2H); 7.50 (broad d, J = 5.5 Hz: 1H); 7.54 (broad d, J = 9 Hz: 2H); 7.61 (broad s: 1H); 7.66 (broad d, J = 9 Hz: 2H); 8.40 (d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione is described in Example 63.

**Example 209: 5,5-Dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

0.015 g of sodium hydride is added to a solution of 0.175 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione in 2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, and a solution of 0.185 g of 2-ethoxy-4-(bromomethyl)pyridine in 2 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 10 minutes. The reaction mixture is deposited on a cartridge 37 mm in diameter packed with 65 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95), (v/v), and then with a mixture (water/acetonitrile) (95/5), (v/v). Elution was performed with a mixture (water/acetonitrile), (95/5), (v/v) for 20 minutes, followed by a linear gradient of from 5% to 95% acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions between 700 and 760 ml are concentrated under reduced pressure. 0.145 g of 5,5-dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-

dione is thus obtained, the characteristics of which are as follows:

| | | |
|---|---|---|
| Mass EI | m/z=423 | $M^{+\cdot}$ |
| | m/z=408 | $(M - CH_3)^+$ base peak |
| | m/z=395 | $(M - C_2H_4)^{+\cdot}$ |
| | m/z=203 | $C_8H_4NO_2F_3^{+\cdot}$ |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, $\delta$ in ppm): 1.32 (t, J = 7 Hz: 3H); 1.42 (s: 6H); 4.30 (q, J = 7 Hz: 2H); 4.58 (broad s: 2H); 6.85 (broad s: 1H); 7.01 (broad d, J = 5.5 Hz: 1H); 7.52 (broad d, J = 8.5 Hz: 2H); 7.63 (broad d, J = 8.5 Hz: 2H); 8.10 (d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione is described in Example 63.

**Example 210: 5,5-Dimethyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

0.009 g of sodium hydride is added to a solution of 0.064 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione in 1 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued for 30 minutes at this temperature, and a solution of 0.062 g of 2-ethyl-4-(bromomethyl)pyridine in 0.5 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 10 minutes. The reaction mixture is deposited on a cartridge 27 mm in diameter packed with 25 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v) and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed with a mixture (water/acetonitrile) (95/5) (v/v) for 20 minutes, followed by a linear gradient of from 5% to 95% acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions between 750 and 790 ml are concentrated under reduced pressure. 0.06 g of 5,5-dimethyl-1-(2-ethylpyrid-4-

ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

| | | | |
|---|---|---|---|
| Mass EI | m/z=407 | $M^{+\cdot}$ | base peak |
| | m/z=392 | $(M - CH_3)^+$ | |
| | m/z=203 | $C_8H_4NO_2F_3^{+\cdot}$ | |
| | m/z=120 | $C_8H_{10}N^+$ | |

$^1H$ NMR spectrum (400 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.27 (t, J = 7.5 Hz: 3H); 1.44 (s: 6H); 2.75 (q, J = 7.5 Hz: 2H); 4.54 (s: 2H); 7.10 (broad d, J = 5.5 Hz: 1H); 7.15 (broad s: 1H); 7.39 (broad d, J = 8.5 Hz: 2H); 7.49 (d, J = 8.5 Hz: 2H); 8.26 (d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is described in Example 63.

**Example 211: 5,5-Dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.046 g of sodium hydride is added to a solution of 0.175 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 3 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, and a solution of 0.166 g of 2-chloro-4-(bromomethyl)pyridine in 2 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 10 minutes. The reaction mixture is deposited on a cartridge 37 mm in diameter packed with 65 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v), and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed with a mixture (water/acetonitrile) (95/5) (v/v) for 20 minutes, followed by a linear gradient of from 5% to 95% acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions

between 740 and 780 ml are concentrated under reduced pressure. 0.03 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione is thus obtained in the form of a white powder, the characteristics of which are as follows:

m.p. 111°C

Mass CI

m/z=447 $MNH_4^+$

m/z=430 $MH^+$ base peak

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 4.67 (broad s: 2H); 7.49 (broad d, J = 5.5 Hz: 1H); 7.61 (broad s: 1H); 7.70 (broad d, J = 8.5 Hz: 2H); 7.88 (broad d, J = 8.5 Hz: 2H); 8.38 (d, J = 5.5 Hz: 1H).

Preparation of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione

5.12 ml of triethylamine and 2.8 g of methyl α-aminoisobutyrate hydrochloride are added to a solution of 4 g of 4-trifluoromethylsulfanylphenyl isocyanate in 40 ml of toluene, under an inert atmosphere of argon at a temperature in the region of 20°C. The mixture thus obtained is refluxed for 24 hours and then cooled to a temperature in the region of 20°C. The reaction mixture is concentrated to dryness under reduced pressure and the residue obtained is taken up in ethyl ether and filtered. 5.3 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione are thus obtained, the characteristics of which are as follows:

Mass CI

m/z=322 $MNH_4^+$

m/z=102 triethylamine$H^+$ base peak

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 7.62 (broad d, J = 8.5 Hz: 2H); 7.85 (broad d, J = 8.5 Hz: 2H); 8.72 (unresolved complex: 1H).

The insoluble material thus obtained is taken up in dichloromethane and then washed with water. 2.76 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione are thus obtained, and are used for the rest of the synthesis.

**Example 212: 5,5-Dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.049 g of sodium hydride is added to a solution of 0.185 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 3.2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, and a solution of 0.184 g of 2-ethoxy-4-(bromomethyl)pyridine in 2 ml of dimethylformamide is added, followed by addition of ice-water after reaction for 10 minutes. The reaction mixture is deposited on a cartridge 37 mm in diameter packed with 65 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v) and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed with a mixture (water/acetonitrile) (95/5) (v/v) for 20 minutes, followed by a linear gradient of from 5% to 95% acetonitrile over 60 minutes, at a flow rate of 10 ml/minute. The fractions between 520 and 700 ml are concentrated under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge packed with 2 g of conditioned 15-35 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (9/1) (v/v). The fractions containing the expected product are concentrated under reduced pressure. 0.01 g of 5,5-dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

Mass EI

m/z=439 $M^{+\cdot}$

m/z=424 $(M - CH_3)^+$ base peak

m/z=411 $(M - C_2H_4)^{+\cdot}$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.32 (t, J = 7 Hz: 3H); 1.42 (s: 6H); 4.30 (q, J = 7 Hz: 2H); 4.58 (broad s: 2H); 6.86 (broad s: 1H); 7.01 (broad d, J = 5.5 Hz: 1H); 7.69 (broad d, J = 8.5 Hz: 2H); 7.88 (broad d, J = 8.5 Hz: 2H); 8.10 (broad d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is described in Example 211.

**Example 213: 5,5-Dimethyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.021 g of sodium hydride is added to a solution of 0.135 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes and a solution of 0.126 g of 2-ethyl-4-(bromomethyl)pyridine in 1 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 10 minutes. The reaction mixture is deposited on a cartridge 37 mm in diameter packed with 65 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v) and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed with a mixture (water/acetonitrile) (95/5) (v/v) for 20 minutes, followed by a linear gradient of from 5% to 95% acetonitrile over 60 minutes, and elution with 100% acetonitrile for 10 minutes, at a flow rate of 10 ml/minute. The fractions

between 800 and 880 ml are concentrated under reduced pressure. 0.120 g of 5,5-dimethyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

Mass EI

m/z=423 $M^{+\cdot}$ base peak

m/z=408 $(M - CH_3)^+$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=120 $C_8H_{10}N^+$

$^1H$ NMR spectrum (400 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.23 (t, J = 7.5 Hz: 3H); 1.42 (s: 6H); 2.75 (q, J = 7.5 Hz: 2H); 4.62 (broad s: 2H); 7.25 (broad d, J = 5.5 Hz: 1H); 7.30 (broad s: 1H); 7.70 (d, J = 8.5 Hz: 2H); 7.88 (d, J = 8.5 Hz: 2H); 8.43 (d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is described in Example 211.

**Example 214: 5,5-Dimethyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

0.023 g of sodium hydride is added to a solution of 0.081 g of 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)-imidazolidine-2,4-dione in 2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 35 minutes, and a solution of 0.071 g of 2-bromo-4-(bromomethyl)pyridine in 1 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 15 minutes. The reaction mixture is deposited on a cartridge 16 mm in diameter packed with 5 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v) and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed by a linear gradient of from 5% to 95% acetonitrile over

30 minutes, followed by a mixture (water/acetonitrile) (5/95) (v/v) for 10 minutes, at a flow rate of 10 ml/minute. The fractions between 90 and 100 ml are concentrated under reduced pressure. 0.015 g of 5,5-dimethyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white foam, the characteristics of which are as follows:

Mass EI

m/z=457 $M^{+\cdot}$ base peak

m/z=442 $(M - CH_3)^+$

m/z=211 $C_7H_4N_2OBr^+$

m/z=203 $C_8H_4NO_2F_3^{+\cdot}$

m/z=170 $C_6H_5NBr^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 4.67 (broad s: 2H); 7.52 (broad d, J = 5.5 Hz: 1H); 7.54 (broad d, J = 9 Hz: 2H); 7.66 (broad d, J = 9 Hz: 2H); 7.75 (broad s: 1H); 8.37 (d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is described in Example 63.

**Example 215: 5,5-Dimethyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.025 g of sodium hydride is added to a solution of 0.096 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 25 minutes, and a solution of 0.060 g of 2-fluoro-4-(bromomethyl)pyridine in 1 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 15 minutes. The reaction mixture is deposited on a cartridge 16 mm in diameter packed with 5 g of 40-60 µm octadecyl-grafted

silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v) and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed by a linear gradient of from 5% to 95% acetonitrile over 30 minutes, followed by a mixture (water/acetonitrile) (5/95) (v/v) for 10 minutes, at a flow rate of 5 ml/minute. The fractions between 105 and 125 ml are concentrated under reduced pressure. 0.069 g of 5,5-dimethyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white solid, the characteristics of which are as follows:

m.p.: 82°C

Mass EI

m/z=413 $M^{+\cdot}$ base peak

m/z=398 $(M - CH_3)^+$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=151 $C_7H_4N_2OF^+$

m/z=110 $C_6H_5NF^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 4.72 (broad s: 2H); 7.29 (broad s: 1H); 7.43 (broad d, J = 5.5 Hz: 1H); 7.71 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 8.23 (d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is described in Example 211.

**Example 216: 5,5-Dimethyl-1-(2-cyanopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.037 g of sodium hydride is added to a solution of 0.139 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 4 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, and a

solution of 0.090 g of 2-cyano-4-(bromomethyl)pyridine in 1 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after reaction for 15 minutes. The reaction mixture is deposited on a cartridge 20 mm in diameter packed with 10 g of 40-60 µm octadecyl-grafted silica conditioned successively with a mixture (water/acetonitrile) (5/95) (v/v) and then with a mixture (water/acetonitrile) (95/5) (v/v). Elution was performed by a linear gradient of from 5% to 95% acetonitrile over 30 minutes, followed by a mixture (water/acetonitrile) (5/95) (v/v) for 10 minutes, at a flow rate of 5 ml/minute. The fractions between 210 and 230 ml are concentrated under reduced pressure. 0.1 g of 5,5-dimethyl-1-(2-cyanopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in solid form, the characteristics of which are as follows:

m.p.: 148°C

Mass EI

m/z=420 $M^{+\cdot}$ base peak

m/z=405 $(M - CH_3)^+$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=158 $C_8H_4N_3O^+$

m/z=117 $C_7H_5N_2^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 4.74 (broad s: 2H); 7.72 (broad d, J = 9 Hz: 2H); 7.81 (dd, J = 5.5 and 2 Hz: 1H); 7.89 (broad d, J = 9 Hz: 2H); 8.15 (broad s: 1H); 8.72 (broad d, J = 5.5 Hz: 1H).

The compound 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is described in Example 211.

**Example 217: 5,5-Dimethyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A solution of 0.09 g of 5,5-dimethyl-1-(2-cyanopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 5 ml of 5N hydrochloric acid is refluxed for about 16 hours. The reaction mixture is concentrated under reduced pressure and the crude product thus obtained is purified by flash chromatography using a cartridge 20 mm in diameter packed with 10 g of conditioned 20-40 µm silica, and then eluted with a mixture (dichloromethane/methanol) (9/1) (v/v) at a flow rate of 8 ml/minute. The fractions between 40 and 200 ml are concentrated under reduced pressure. 0.06 g of 5,5-dimethyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

Mass EI

m/z=439 $M^{+\cdot}$

m/z=395 $(M - CONH_2)^+$ base peak

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=185 $C_7H_9N_2O_2S^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 4.76 (broad s: 2H); 7.70 (d, J = 8.5 Hz: 2H); 7.72 (mt: 1H); 7.89 (d, J = 8.5 Hz: 2H); 8.12 (broad s: 1H); 8.68 (d, J = 5.5 Hz: 1H).

**Example 218: 5,5-Dimethyl-1-[2-(methylamino)carbonyl-pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

0.025 g of methylamine hydrochloride, 0.005 g of hydroxybenzotriazole hydrate, 0.105 ml of triethylamine and 72 mg of 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride are successively added to a solution of 0.055 g of 5,5-dimethyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 2 ml of dichloromethane, under an inert atmosphere of argon at a

temperature in the region of 20°C, and stirring is continued at this temperature for about 16 hours. The reaction mixture is washed with water and the organic phase is dried over magnesium sulfate, filtered and then concentrated under reduced pressure. The crude product thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 5 g of conditioned 20-40 µm silica, and then eluted with a mixture (dichloromethane/methanol) (95/05) (v/v) at a flow rate of 10 ml per minute. The fractions containing the expected product are concentrated under reduced pressure. 0.013 g of 5,5-dimethyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=452 | $M^{+\cdot}$ | |
| m/z=395 | $(M - C_2H_3ON)^+$ | base peak |
| m/z=219 | $C_8H_4NOSF_3^{+\cdot}$ | |
| m/z=148 | $C_8H_8N_2O^+$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 2.85 (d, J = 5 Hz: 3H); 4.76 (broad s: 2H); 7.67 (dd, J = 5 and 2 Hz: 1H); 7.70 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 8.10 (broad s: 1H); 8.60 (d, J = 5 Hz: 1H); 8.75 (broad q, J = 5 Hz: 1H).

**Example 219: 5,5-Dimethyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A solution of 0.04 g of 5,5-dimethyl-1-(2-cyanopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 1 ml of 98% sulfuric acid is maintained at 40°C for 30 minutes. The mixture is taken up in 15 ml of ice-water and then neutralized with normal sodium hydroxide

solution. The solution thus obtained is extracted with 100 ml of ethyl acetate. The organic phase is dried over magnesium sulfate, filtered and then concentrated under reduced pressure, and the crude product thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 5 g of conditioned 20-40 µm silica, and then eluted with dichloromethane at a flow rate of 10 ml per minute. The fractions containing the expected product are concentrated under reduced pressure. 0.017 g of 5,5-dimethyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous white powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=438 | $M^{+\cdot}$ | base peak |
| m/z=423 | $(M - CH_3)^+$ | |
| m/z=393 | $(M - CH_3NO)^+$ | |
| m/z=219 | $C_8H_4NOSF_3^{+\cdot}$ | |
| m/z=135 | $C_7H_7N_2O^+$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 4.76 (broad s: 2H); from 7.60 to 7.70 (mt: 2H); 7.71 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 8.11 (broad s: 2H); 8.60 (d, J = 5.5 Hz: 1H).

**Example 220: 5,5-Dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.05 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione, 0.5 ml of dimethylformamide, 0.034 g of potassium carbonate and 0.021 ml of morpholine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 210°C for about 50 minutes. The

reaction mixture is deposited on a Bond Elut Varian reference 1225-6053 cartridge containing 2 g of SCX phase conditioned with dimethylformamide. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (8/2) (v/v) at a flow rate of 10 ml/minute. The fractions between 160 and 260 ml are concentrated to dryness under reduced pressure. 0.01 g of 5,5-dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained in the form of a powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=464 | $M^{+\cdot}$ | |
| m/z=433 | $(M - CH_3O)^+$ | base peak |
| m/z=419 | $(M - C_2H_5O)^+$ | |
| m/z=407 | $(M - C_3H_5O)^+$ | |
| m/z=379 | $(M - C_4H_5NO)^+$ | |
| m/z=203 | $C_8H_4NO_2F_3^{+\cdot}$ | |
| m/z=176 | $C_{10}H_{12}N_2O^{+\cdot}$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); 3.44 (broad t, J = 5 Hz: 4H); 3.72 (broad t, J = 5 Hz: 4H); 4.53 (broad s: 2H); 6.75 (broad d, J = 5.5 Hz: 1H); 6.85 (broad s: 1H); 7.54 (broad d, J = 8.5 Hz: 2H); 7.64 (d, J = 8.5 Hz: 2H); 8.10 (d, J = 5.5 Hz: 1H).

**Example 221: 5,5-Dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.05 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione and 0.5 ml of morpholine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 160°C for about 70 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6053 cartridge containing 2 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.03 g of 5,5-dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=480 | $M^{+\cdot}$ | |
| m/z=449 | $(M - CH_3O)^+$ | base peak |
| m/z=435 | $(M - C_2H_5O)^+$ | |
| m/z=423 | $(M - C_3H_5O)^+$ | |
| m/z=219 | $C_8H_4NOSF_3^{+\cdot}$ | |
| m/z=176 | $C_{10}H_{12}N_2O^{+\cdot}$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); 3.45 (broad t, J = 5 Hz: 4H); 3.71 (broad t, J = 5 Hz: 4H); 4.54 (broad s: 2H); 6.75 (broad d, J = 5.5 Hz: 1H); 6.84 (broad s: 1H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.88 (d, J = 8.5 Hz: 2H); 8.09 (d, J = 5.5 Hz: 1H).

**Example 222: 5,5-Dimethyl-1-(2-dimethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.05 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.4 ml of isopropylamine and 0.1 ml of dimethylformamide is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 140°C for about 130 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6053 cartridge containing 2 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.013 g of 5,5-dimethyl-1-(2-dimethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a powder, the characteristics of which are as follows:

Mass CI

m/z=439 $MH^+$ base peak

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); 3.03 (s: 6H); 4.53 (broad s: 2H); 6.62 (broad d, J = 5.5 Hz: 1H); 6.65 (broad s: 1H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.87 (d, J = 8.5 Hz: 2H); 8.03 (d, J = 5.5 Hz: 1H).

**Example 223: 5,5-Dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.5 ml of N-methyl-2-pyrrolidone, 0.016 mg of methylamine hydrochloride and 0.064 ml of triethylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 180°C for

about 80 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6054 cartridge containing 3 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane at a flow rate of 5 ml/minute. The fractions containing the expected product are concentrated to dryness under reduced pressure. 0.021 g of 5,5-dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous white powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=424 | $M^{+\cdot}$ | base peak |
| m/z=396 | $(M - CH_2N)^+$ | |
| m/z=219 | $C_8H_4NOSF_3^{+\cdot}$ | |
| m/z=120 | $C_7H_8N_2^{+\cdot}$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); 2.77 (d, J = 5 Hz: 3H); 4.48 (broad s: 2H); 6.42 (mt: 1H); 6.46 (broad s: 1H); 6.52 (broad d, J = 5.5 Hz: 1H); 7.69 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 7.94 (d, J = 5.5 Hz: 1H).

**Example 224: 5,5-Dimethyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of cyclohexylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 50 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6054 cartridge containing 3 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane at a flow rate of 5 ml/minute. The fractions between 15 and 45 ml are concentrated under reduced pressure. 0.017 g of 5,5-dimethyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=492 | $M^{+\cdot}$ | |
| m/z=449 | $(M - C_3H_7)^+$ | |
| m/z=435 | $(M - C_3H_7)^+$ | |
| m/z=410 | $(M - C_6H_{10})^{+\cdot}$ | base peak |
| m/z=219 | $C_8H_4NOSF_3^{+\cdot}$ | |
| m/z=175 | $C_{11}H_{15}N_2^+$ | |
| m/z=98 | $C_6H_{12}N^+$ | |

$^1H$ NMR spectrum (400 MHz, $(CD_3)_2SO$ d6, δ in ppm): from 1.10 to 1.40 (mt: 5H); 1.43 (s: 6H); from 1.55 to 2.00 (mt: 5H); 3.67 (mt: 1H); 4.45 (s: 2H); 6.28 (d, J = 8 Hz: 1H); 6.44 (broad s: 1H); 6.46 (broad d, J = 5.5 Hz:

1H); 7.68 (broad d, J = 9 Hz: 2H); from 7.85 to 7.95 (mt: 3H).

**Example 225: 5,5-Dimethyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of isopropylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 70 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane at a flow rate of 5 ml/minute. The fractions between 10 and 35 ml are concentrated to dryness under reduced pressure. 0.008 g of 5,5-dimethyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass EI

m/z=452 $M^{+\cdot}$

m/z=437 $(M - CH_3)^+$ base peak

m/z=410 $(M - C_3H_6)^{+\cdot}$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=134 $C_8H_{10}N_2^{+\cdot}$

m/z=58 $C_3H_8N^+$

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.13 (d, J = 6.5 Hz: 6H); 1.42 (s: 6H); 3.98 (mt: 1H); 4.45 (broad s: 2H); 6.27 (broad d, J = 7.5 Hz: 1H); 6.42 (broad s: 1H); 6.46 (broad d, J = 5.5 Hz: 1H); 7.68 (broad d, J = 8 Hz: 2H); 7.88 (broad d, J = 8 Hz: 2H); 7.90 (d, J = 5.5 Hz: 1H).

**Example 226: 5,5-Dimethyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of piperidine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 30 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 10 and 30 ml are concentrated to dryness under reduced pressure. 0.07 g of 5,5-dimethyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass EI

m/z=478 $M^{+\cdot}$ base peak

m/z=449 $(M - C_2H_5)^+$

m/z=422 $(M - C_4H_8)^{+\cdot}$

m/z=395 $(M - C_5H_9N)^+$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=161 $C_{10}H_{13}N_2^+$

m/z=84 $C_5H_{10}N^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); from 1.45 to 1.65 (mt: 6H); 3.52 (broad t, J = 5 Hz: 4H); 4.52 (broad s: 2H); 6.64 (broad d, J = 5.5 Hz: 1H); 6.83 (broad s: 1H); 7.68 (d, J = 8.5 Hz: 2H); 7.88 (d, J = 8.5 Hz: 2H); 8.04 (d, J = 5.5 Hz: 1H).

**Example 227: 5,5-Dimethyl-1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of N-methylpiperazine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 30 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced

pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 105 and 135 ml are concentrated to dryness under reduced pressure. 0.028 g of 5,5-dimethyl-1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass EI

m/z=493 $M^{+\cdot}$

m/z=423 $(M - C_4H_8N)^{+\cdot}$ base peak

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=176 $C_{10}H_{14}N_3^{+}$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); 2.23 (s: 3H); 2.40 (broad t, J = 5 Hz: 4H); 3.50 (broad t, J = 5 Hz: 4H); 4.53 (broad s: 2H); 6.70 (broad d, J = 5.5 Hz: 1H); 6.85 (broad s: 1H); 7.69 (d, J = 8.5 Hz: 2H); 7.88 (d, J = 8.5 Hz: 2H); 8.07 (d, J = 5.5 Hz: 1H).

**Example 228: 5,5-Dimethyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of aniline is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 30 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian

reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 40 and 85 ml are concentrated to dryness under reduced pressure. 0.082 g of 5,5-dimethyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass EI

m/z=486 $M^{+\cdot}$

m/z=485 $(M - H)^+$ base peak

m/z=417 $(M - CF_3)^+$

m/z=182 $C_{12}H_{10}N_2^{+\cdot}$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.46 (s: 6H); 4.55 (broad s: 2H); 6.80 (broad d, J = 5.5 Hz: 1H); 6.84 (broad s: 1H); 6.88 (broad t, J = 7.5 Hz: 1H); 7.25 (dd, J = 8 and 7.5 Hz: 2H); 7.67 (broad d, J = 8 Hz: 2H); 7.69 (d, J = 8.5 Hz: 2H); 7.88 (broad d, J = 8.5 Hz: 2H); 8.01 (d, J = 5.5 Hz: 1H); 9.01 (broad s: 1H).

**Example 229: 5,5-Dimethyl-1-[2-(4-piperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.6 ml of N-methyl-2-pyrrolidone and 0.123 g of piperazine is placed in a Personal Chemistry Emrys

Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 30 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 45 and 110 ml are concentrated to dryness under reduced pressure. 0.042 g of 5,5-dimethyl-1-[2-(4-piperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass CI

m/z=480 $MH^+$ base peak

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.43 (s: 6H); 2.79 (broad t, J = 5 Hz: 4H); 3.41 (broad t, J = 5 Hz: 4H); 4.52 (broad s: 2H); 6.69 (broad d, J = 5.5 Hz: 1H); 6.82 (broad s: 1H); 7.69 (broad d, J = 8.5 Hz: 2H); 7.88 (d, J = 8.5 Hz: 2H); 8.06 (d, J = 5.5 Hz: 1H).

**Example 230: 5,5-Dimethyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione,

0.5 ml of N-methyl-2-pyrrolidone, 0.019 g of ethylamine hydrochloride and 0.064 ml of triethylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 120 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 280 and 300 ml are concentrated to dryness under reduced pressure. 0.033 g of 5,5-dimethyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

m.p. = 136°C

Mass EI

m/z=438 $M^{+\cdot}$

m/z=423 $(M - CH_3)^+$ base peak

m/z=395 $(M - C_2H_5N)^+$

m/z=369 $(M - CF_3)^+$

m/z=121 $C_7H_9N_2^{+\cdot}$

m/z=44 $C_2H_6N^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.14 (t, J = 7 Hz: 3H); 1.44 (s: 6H); 3.26 (mt: 2H); 4.47 (broad s: 2H); 6.40 (broad t, J = 5.5 Hz: 1H); 6.45 (broad s: 1H); 6.50 (broad d, J = 5.5 Hz: 1H); 7.69

(broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 7.92 (d, J = 5.5 Hz: 1H).

**Example 231: 5,5-Dimethyl-1-(2-benzylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of benzylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 30 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 10 and 50 ml are concentrated to dryness under reduced pressure. 0.035 g of 5,5-dimethyl-1-(2-benzylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

m.p. 144°C

Mass EI

m/z=500 $M^{+\cdot}$ base peak

m/z=431 $(M - CF_3)^+$

m/z=196 $C_{13}H_{12}N_2^{+\cdot}$

m/z=106 $C_7H_8N^+$

m/z=91 $C_7H_7^+$

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.39 (s: 6H); 4.47 (broad s: 2H); 4.48 (d, J = 6 Hz: 2H); 6.51 (broad s: 1H); 6.54 (broad d, J = 5.5 Hz: 1H); 7.02 (broad t, J = 6 Hz: 1H); from 7.15 to 7.35 (mt: 5H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.89 (d, J = 8.5 Hz: 2H); 7.92 (d, J = 5.5 Hz: 1H).

**Example 232: 5,5-Dimethyl-1-[2-(4-methoxybenzylamino)-pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of para-methoxybenzylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 30 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 2 g of conditioned 15-35 µm silica, and then eluted with dichloromethane, at a flow rate of 5 ml/minute. The fractions between 5 and 55 ml are concentrated to dryness under reduced pressure. 0.035 g of 5,5-dimethyl-1-[2-(4-methoxybenzylamino)pyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous powder, the characteristics of which are as follows:

Mass EI

m/z=530 $M^{+\cdot}$

m/z=461 $(M - CF_3)^+$

m/z=136 $C_8H_{10}NO^+$

m/z=121 $C_8H_9O^+$ base peak

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.39 (s: 6H); 3.72 (s: 3H); 4.39 (d, J = 5.5 Hz: 2H); 4.46 (broad s: 2H); 6.48 (broad s: 1H); 6.53 (broad d, J = 5.5 Hz: 1H); 6.87 (broad d, J = 8.5 Hz: 2H); 6.93 (t, J = 5.5 Hz: 1H); 7.25 (broad d, J = 8.5 Hz: 2H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 7.92 (d, J = 5.5 Hz: 1H).

**Example 233: 5,5-Dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione.**

0.5 ml of trifluoroacetic acid is added to a solution of 0.035 g of 5,5-dimethyl-1-[2-(4-methoxybenzylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 0.5 ml of dichloromethane at a temperature in the region of 20°C, and stirring is continued at this same temperature for 5 hours. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then placed on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.015 g of 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a powder, the characteristics of which are as follows:

m.p.: 161°C

Mass EI

| | | |
|---|---|---|
| m/z=410 | $M^{+\cdot}$ | base peak |
| m/z=395 | $(M - CH_3)^+$ | |
| m/z=219 | $C_8H_4NOSF_3^{+\cdot}$ | |
| m/z=148 | $C_7H_6N_3O^+$ | |
| m/z=107 | $C_6H_7N_2^+$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.43 (s: 6H); 4.46 (broad s: 2H); 5.86 (broad s: 2H); 6.46 (broad s: 1H); 6.53 (broad d, J = 5.5 Hz: 1H); 7.69 (broad d, J = 8.5 Hz: 2H); 7.84 (d, J = 5.5 Hz: 1H); 7.89 (broad d, J = 8.5 Hz: 2H).

**Example 234: 5,5-Dimethyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A solution of 0.050 g of 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 5 ml of acetic anhydride is stirred under an inert atmosphere of argon for 24 hours at a temperature in the region of 80°C. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then placed on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.006 g of 5,5-dimethyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is

thus obtained in the form of a powder, the characteristics of which are as follows:

Mass EI

m/z=452 $M^{+\cdot}$

m/z=410 $(M - C_2H_2O)^{+\cdot}$ base peak

m/z=395 $(m/z=410 - CH_3)^+$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=150 $C_8H_{10}N_2O^{+\cdot}$

m/z=107 $C_6H_7N_2^+$

m/z=43 $C_2H_3O^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, $\delta$ in ppm): 1.44 (broad s: 6H); 2.11 (s: 3H); 4.65 (broad s: 2H); 7.15 (broad d, J = 5.5 Hz: 1H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 8.14 (broad s: 1H); 8.27 (d, J = 5.5 Hz: 1H); 10.49 (unresolved complex: 1H).

**Example 235: 5,5-Dimethyl-1-(2-*tert*-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.05 g of 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is added portionwise to a solution of 0.029 g of di-*tert*-butyl dicarbonate in 0.65 ml of *tert*-butyl alcohol, under an inert atmosphere of argon at a temperature in the region of 20°C, and stirring is continued at this temperature for 24 hours. The reaction mixture is concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 16 mm in diameter packed with 5 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (8/2) (v/v). The fractions between 260 and 400 ml are concentrated under reduced pressure. 0.035 g of 5,5-dimethyl-1-(2-*tert*-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is

thus obtained, the characteristics of which are as follows:

Mass CI

m/z=511 $MH^+$ base peak

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.43 (s: 6H); 1.49 (s: 9H); 4.63 (broad s: 2H); 7.08 (broad dd, J = 5.5 and 1.5 Hz: 1H); 7.68 (broad d, J = 9 Hz: 2H); 7.84 (broad s: 1H); 7.87 (broad d, J = 9 Hz: 2H); 8.19 (d, J = 5.5 Hz: 1H); 9.73 (broad s: 1H).

**Example 236: 5,5-Dimethyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

0.010 ml of methanesulfonyl chloride is added to a solution of 0.050 g of 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 0.4 ml of pyridine, under an inert atmosphere of argon at a temperature in the region of 20°C, and stirring is continued at this temperature for 2 hours. The reaction mixture is poured into 50 ml of saturated sodium bicarbonate solution and then extracted with 2×50 ml of ethyl acetate. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. 0.020 g of 5,5-dimethyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white powder, the characteristics of which are as follows:

m.p.: 208°C

Mass EI

m/z=488 $M^{+\cdot}$ base peak

m/z=473 $(M - CH_3)^+$

m/z=409 $(M - SO_2CH_3)^+$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=185 $C_7H_9N_2O_2S^+$

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 3.27 (unresolved complex: 3H); 4.63 (broad s: 2H); from 6.95 to 7.10 (unresolved complex: 2H); 7.68 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 8.17 (unresolved complex: 1H).

**Example 237: 5,5-Dimethyl-1-(2-methoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

0.056 ml of methyl chloroformate is added to a solution of 0.100 g of 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 1.5 ml of pyridine, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 20 hours, and a further 0.56 ml of methyl chloroformate is added. Stirring is continued at this temperature for 20 hours. The reaction mixture is taken up in 5 ml of ethyl acetate and then washed successively with 5 ml of water, 5 ml of saturated sodium chloride solution and then 5 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue obtained is purified on a Kromasil C18 5 µm column (100 × 20 mm), eluting with a linear gradient of from 5% to 95% acetonitrile containing 0.07% (v/v) trifluoroacetic acid (TFA) in water containing 0.07% (v/v) TFA at a flow rate of 10 ml/minute. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.024 g

of 5,5-dimethyl-1-(2-methoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a white solid, the characteristics of which are as follows:

Mass EI

m/z=468 $M^{+\cdot}$ base peak

m/z=453 $(M - CH_3)^+$

m/z=410 $(M - C_2H_2O_2)^{+\cdot}$

m/z=219 $C_8H_4NOSF_3^{+\cdot}$

m/z=166 $C_8H_{10}N_2O_2^{+\cdot}$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.44 (s: 6H); 3.70 (s: 3H); 4.65 (broad s: 2H); 7.12 (dd, J = 5.5 and 2 Hz: 1H); 7.69 (broad d, J = 9 Hz: 2H); 7.89 (broad d, J = 9 Hz: 2H); 7.90 (broad s: 1H); 8.23 (d, J = 5.5 Hz: 1H); 10.18 (broad s: 1H).

**Example 238: 5,5-Dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

0.1 g of sodium hydride is added to a solution of 0.417 g of 5,5-dimethyl-3-(3-chloro-4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione in 20 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 0°C, stirring is continued at this temperature for 30 minutes, a solution of 0.380 g of 2-chloro-4-(bromomethyl)pyridine in 20 ml of anhydrous dimethylformamide is added, and ice-water is then added after 10 minutes of reaction. The reaction mixture is taken up in 400 ml of ethyl acetate and then washed with 400 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 27 mm in diameter packed with 25 g of conditioned 20-40 µm silica, and then eluted with a mixture

(cyclohexane/ethyl acetate) (8/2) (v/v). The fractions between 150 and 350 ml are concentrated to dryness under reduced pressure. 0.3 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

Mass EI

m/z=463 $M^{+\cdot}$ base peak

m/z=448 $(M - CH_3)^+$

m/z=253 $C_8H_3NOSClF_3^{+\cdot}$

m/z=167 $C_7H_4N_2OCl^+$

m/z=126 $C_6H_5NCl^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, $\delta$ in ppm): 1.43 (s: 6H); 4.68 (broad s: 2H); 7.49 (broad d, J = 5.5 Hz: 1H); 7.63 (broad s: 1H); 5.5 Hz: 1H); 7.63 (broad s: 1H); 7.71 (dd, J = 9 and 3 Hz: 1H); 7.97 (d, J = 3 Hz: 1H); 8.05 (d, J = 9 Hz: 1H); 8.38 (d, J = 5.5 Hz: 1H).

Preparation of 5,5-dimethyl-3-(3-chloro-4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione

A solution of 2 g of 3-chloro-4-trifluoromethylsulfanylaniline in 22 ml of toluene is added over 30 minutes to a suspension of 1.97 g of diphosgene and 0.03 g of plant black in 22 ml of toluene, at a temperature in the region of -20°C. The mixture is stirred up to a temperature in the region of 20°C, and is then refluxed for 3 hours. The mixture is cooled to a temperature in the region of 20°C and then filtered through Celite, and 1.35 g of methyl α-aminoisobutyrate hydrochloride, 15 ml of toluene and 2.23 ml of triethylamine are added to the filtrate. The mixture thus obtained is refluxed for 24 hours and then cooled to a temperature in the region of 20°C. The reaction mixture is concentrated under reduced pressure and the residue obtained is purified by flash chromatography on a cartridge 37 mm in diameter packed with 20-40 µm silica,

conditioned and then eluted with a mixture (cyclohexane/ethyl acetate) (5/5) (v/v). The fractions between 110 and 250 ml are concentrated under reduced pressure, and 2 g of 5,5-dimethyl-3-(3-chloro-4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione are thus obtained, the characteristics of which are as follows:

Mass EI

m/z=338 $M^{+\cdot}$ base peak

m/z=253 $C_8H_3NOSClF_3^{+\cdot}$

m/z=184 $(m/z=253 - CF_3)^+$

m/z=84 $C_4H_6NO^+$

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.42 (s: 6H); 7.63 (dd, J = 8.5 and 2.5 Hz: 1H); 7.90 (d, J = 2.5 Hz: 1H); 8.02 (d, J = 8.5 Hz: 1H); 8.75 (unresolved complex: 1H).

**Example 239: 5,5-Dimethyl-1-[2-(4-methoxybenzylamino)-pyrid-4-ylmethyl]-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.3 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.2 ml of N-methyl-2-pyrrolidone and 0.4 ml of para-methoxybenzylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 70 minutes. The reaction mixture is purified by flash chromatography using a cartridge 37 mm in diameter packed with 50 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (8/2) (v/v). The fractions between 470 and 640 ml are concentrated to dryness under reduced pressure. 0.091 g of 5,5-dimethyl-1-[2-(4-methoxybenzylamino)pyrid-4-ylmethyl]-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

is thus obtained, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=564 | $M^{+\cdot}$ | |
| m/z=495 | $(M - CF_3)^+$ | |
| m/z=136 | $C_8H_{10}NO^+$ | |
| m/z=121 | $C_8H_9O^+$ | base peak |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, $\delta$ in ppm): 1.38 (s: 6H); 3.71 (s: 3H); 4.39 (d, J = 5.5 Hz: 2H); 4.45 (broad s: 2H); 6.48 (broad s: 1H); 6.53 (broad d, J = 5.5 Hz: 1H); 6.85 (d, J = 8.5 Hz: 2H); 6.89 (t, J = 5.5 Hz: 1H); 7.24 (d, J = 8.5 Hz: 2H); 7.69 (dd, J = 8.5 and 2.5 Hz: 1H); 7.92 (d, J = 5.5 Hz: 1H); 7.95 (d, J = 2.5 Hz: 1H); 8.06 (d, J = 8.5 Hz: 1H).

**Example 240: 5,5-Dimethyl-1-(2-ethylaminopyrid-4-yl-methyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.4 ml of N-methyl-2-pyrrolidone, 0.044 g of ethylamine hydrochloride and 0.120 ml of triethylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 70 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.029 g of 5,5-dimethyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(3-chloro-4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=472 | $M^{+\cdot}$ | |
| m/z=457 | $(M - CH_3)^+$ | base peak |
| m/z=429 | $(M - C_2H_5N)^+$ | |
| m/z=403 | $(M - CF_3)^+$ | |
| m/z=121 | $C_7H_9N_2^{+\cdot}$ | |
| m/z=44 | $C_2H_6N^+$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.14 (t, J = 7 Hz: 3H); 1.43 (s: 6H); 3.27 (mt: 2H); 4.46 (broad s: 2H); 6.38 (broad t, J = 5.5 Hz: 1H); 6.45 (broad s: 1H); 6.51 (broad d, J = 5.5 Hz: 1H); 7.70 (dd, J = 8.5 and 2.5 Hz: 1H); 7.92 (d, J = 5.5 Hz: 1H); 7.96 (d, J = 2.5 Hz: 1H); 8.06 (d, J = 8.5 Hz: 1H).

**Example 241: 5,5-Dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)-imidazolidine-2,4-dione**

A sealed 2.5 ml tube containing 0.1 g of 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione, 0.5 ml of N-methyl-2-pyrrolidone, 0.030 g of methylamine hydrochloride and 0.120 ml of triethylamine is placed in a Personal Chemistry Emrys Optimiser microwave oven. The mixture is irradiated with magnetic stirring at 200°C for about 70 minutes. The reaction mixture is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then placed on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal methanol. The ammoniacal fractions are concentrated to

dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 20 mm in diameter packed with 10 g of conditioned 20-40 µm silica, and then eluted with dichloromethane at a flow rate of 8 ml/minute. The fractions between 70 and 100 ml are concentrated to dryness under reduced pressure. 0.015 g of 5,5-dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of an amorphous white powder, the characteristics of which are as follows:

$^1$H NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.43 (s: 6H); 2.77 (d, J = 5 Hz: 3H); 4.48 (broad s: 2H); 6.40 (broad q, J = 5 Hz: 1H); 6.46 (broad s: 1H); 6.54 (broad d, J = 5.5 Hz: 1H); 7.70 (dd, J = 8.5 and 3 Hz: 1H); 7.94 (d, J = 5.5 Hz: 1H); 7.97 (d, J = 3 Hz: 1H); 8.06 (d, J = 8.5 Hz: 1H).

**Example 242: 5,5-Dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione**

3 ml of trifluoroacetic acid are added to a solution of 0.080 g of 5,5-dimethyl-1-[2-(4-methoxybenzylamino)-pyrid-4-ylmethyl]-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione in 1 ml of dichloromethane, at a temperature in the region of 20°C, and stirring is continued at this temperature for about 16 hours. The reaction mixture is concentrated to dryness under reduced pressure and the residue obtained is purified by preparative LC/MS. The fractions containing the expected product are concentrated to dryness under reduced pressure. The residue thus obtained is taken up in methanol and then deposited on a Bond Elut Varian reference 1225-6027 cartridge containing 5 g of SCX phase conditioned with methanol. Washing with methanol is performed, followed by elution with 2M ammoniacal

methanol. The ammoniacal fractions are concentrated to dryness under reduced pressure. 0.027 g of 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(3-chloro-4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione is thus obtained in the form of a powder, the characteristics of which are as follows:

Mass EI

| | | |
|---|---|---|
| m/z=444 | $M^{+\cdot}$ | base peak |
| m/z=429 | $(M - CH_3)^+$ | |
| m/z=148 | $C_7H_6N_3O^+$ | |
| m/z=107 | $C_6H_7N_2^+$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.43 (s: 6H); 4.46 (broad s: 2H); 5.86 (broad s: 2H); 6.46 (broad s: 1H); 6.54 (broad dd, J = 5.5 and 1.5 Hz: 1H); 7.70 (dd, J = 8.5 and 2.5 Hz: 1H); 7.86 (d, J = 5.5 Hz: 1H); 7.97 (d, J = 2.5 Hz: 1H); 8.06 (d, J = 8.5 Hz: 1H).

**Example 243: 5,5-Dimethyl-1-(2,6-dibromopyrid-4-yl-methyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione**

0.036 g of sodium hydride is added to a solution of 0.230 g of 5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione in 2 ml of anhydrous dimethylformamide, under an inert atmosphere of argon at a temperature in the region of 20°C, stirring is continued at this temperature for 30 minutes, and a solution of 0.349 g of 2,6-dibromo-4-(bromo-methyl)pyridine in 3 ml of anhydrous dimethylformamide is added, followed by addition of ice-water after 20 minutes of reaction. The reaction mixture is taken up in ethyl acetate and then washed with water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 27 mm in diameter packed with 25 g of

conditioned 20-40 µm silica, and then eluted with dichloromethane. The fractions between 65 and 135 ml are concentrated under reduced pressure. 0.25 g of 5,5-dimethyl-1-(2,6-dibromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione is thus obtained, the characteristics of which are as follows:

Mass CI

| | | |
|---|---|---|
| m/z=569 | $MNH_4^+$ | base peak |
| m/z=552 | $MH^+$ | |
| m/z=474 | $(M - Br + 2H)^+$ | |
| m/z=396 | $(m/z=474 - Br + H)^+$ | |

$^1H$ NMR spectrum (300 MHz, $(CD_3)_2SO$ d6, δ in ppm): 1.45 (s: 6H); 4.67 (broad s: 2H); 7.72 (broad d, J = 8 Hz: 2H); 7.83 (s: 2H); 7.89 (broad d, J = 8 Hz: 2H).

The compound 5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione is described in Example 211.

Synthesis of the reagents

**Reference Example 208a: 2-Chloro-4-(bromomethyl)pyridine**

A solution of 0.2 g of 2-chloro-4-(hydroxymethyl)-pyridine in 2.5 ml of dichloromethane is added dropwise to a solution of 0.706 g of dibromotriphenylphosphorane in 9.5 ml of dichloromethane, under an inert atmosphere of argon at a temperature in the region of 20°C, and stirring is continued at this temperature for about 1 hour. The reaction medium is taken up in 50 ml of dichloromethane and then washed with 3×50 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 20 mm in diameter packed with 10 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (8/2) (v/v) at a flow rate of 8 ml/minute. The fractions between 8 and

24 ml are concentrated under reduced pressure. 0.1 g of 2-chloro-4-(bromomethyl)pyridine is thus obtained.

**Reference Example 208b: 2-Chloro-4-(hydroxymethyl)-pyridine**

2.04 g of sodium borohydride are added in several portions to a solution of 1.7 g of ethyl 2-chloro-pyridine-4-carboxylate in 20 ml of ethanol, under an inert atmosphere of argon at a temperature in the region of 0°C. The reaction mixture is refluxed with stirring for 3 hours and then concentrated to dryness under reduced pressure. The residue thus obtained is taken up in dichloromethane and then washed with water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. 1 g of 2-chloro-4-(hydroxymethyl)pyridine is thus obtained.

**Reference Example 208c: Ethyl 2-chloropyridine-4-carboxylate**

1 ml of concentrated sulfuric acid is added to a solution of 2.2 g of 2-chloropyridine-4-carboxylic acid in 30 ml of ethanol. The reaction mixture is refluxed with stirring for 16 hours and then concentrated to dryness under reduced pressure. The residue thus obtained is taken up in 30 ml of water and then extracted with 3×30 ml of dichloromethane. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The oil thus obtained is purified by filtration on 13 g of silica, eluting with dichloromethane. The fractions containing the expected product are concentrated to dryness under reduced pressure. 2.1 g of ethyl 2-chloropyridine-4-carboxylate are thus obtained.

**Reference Example 209a: 2-Ethoxy-4-(bromomethyl)pyridine**

A solution of 0.31 g of 2-ethoxy-4-(hydroxymethyl)-pyridine in 6 ml of dichloromethane is added dropwise to a solution of 1.025 g of dibromotriphenylphosphorane in 12 ml of dichloromethane under an inert atmosphere of argon at a temperature in the region of 20°C, and stirring is continued at this temperature for about 1 hour. The reaction medium is taken up in 100 ml of dichloromethane and then washed with 3×100 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography, using a cartridge 27 mm in diameter packed with 20 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (9/1) (v/v) at a flow rate of 8 ml/minute. The fractions between 80 and 180 ml are concentrated under reduced pressure. 0.37 g of 2-ethoxy-4-(bromomethyl)pyridine is thus obtained.

**Reference Example 209b: 2-Ethoxy-4-(hydroxymethyl)-pyridine**

0.508 g of sodium borohydride is added in several portions to a solution of 0.524 g of ethyl 2-ethoxy-pyridine-4-carboxylate in 5.2 ml of ethanol, under an inert atmosphere of argon at a temperature in the region of 0°C. The reaction mixture is refluxed with stirring for 3 hours and then concentrated to dryness under reduced pressure. The residue thus obtained is taken up in 50 ml of dichloromethane and then washed with 50 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. 0.310 g of 2-ethoxy-4-(hydroxymethyl)pyridine is thus obtained.

**Reference Example 209c: Ethyl 2-ethoxypyridine-4-carboxylate**

0.5 ml of concentrated sulfuric acid is added to a solution of 1 g of 2-fluoropyridine-4-carboxylic acid in 15 ml of ethanol. The reaction mixture is refluxed with stirring for 48 hours and then concentrated to dryness under reduced pressure. The residue thus obtained is taken up in 100 ml of water and then extracted with 3×100 ml of dichloromethane. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The crude product thus obtained is purified by flash chromatography using a cartridge 37 mm in diameter packed with 50 g of conditioned 20-40 µm silica, and then eluted with a mixture (dichloromethane/methanol) (90/10) (v/v) at a flow rate of 8 ml per minute. The fractions between 350 ml and 390 ml are concentrated under reduced pressure. 0.524 g of ethyl 2-ethoxypyridine-4-carboxylate is thus obtained in the form of an oil.

**Reference Example 210a: 2-Ethyl-4-(bromomethyl)pyridine**

A solution of 0.3 g of 2-ethyl-4-(hydroxymethyl)pyridine in 3.5 ml of dichloromethane is added dropwise to a solution of 1.25 g of dibromotriphenylphosphorane in 4 ml of dichloromethane under an inert atmosphere of argon at a temperature in the region of 0°C. The mixture is stirred up to a temperature in the region of 20°C over about 1 hour. The reaction medium is taken up in 50 ml of dichloromethane and then washed with 3×50 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 20 mm in diameter packed with 10 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (9/1) (v/v) at a flow rate of

8 ml/minute. The fractions between 80 and 120 ml are concentrated under reduced pressure. 0.062 g of 2-ethyl-4-(bromomethyl)pyridine is thus obtained.

**Reference Example 210b: 2-Ethyl-4-(hydroxymethyl)pyridine**

5.36 g of sodium borohydride are added in several portions to a solution of 5.08 g of ethyl 2-ethyl-pyridine-4-carboxylate in 53 ml of ethanol, under an inert atmosphere of argon at a temperature in the region of 0°C. The reaction mixture is refluxed with stirring for 3 hours and then concentrated to dryness under reduced pressure. The residue thus obtained is taken up in 500 ml of dichloromethane and then washed with 500 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. 3.16 g of 2-ethyl-4-(hydroxymethyl)pyridine are thus obtained.

**Reference Example 210c: Ethyl 2-ethylpyridine-4-carboxylate**

2.35 ml of concentrated sulfuric acid are added to a solution of 5 g of 2-ethylpyridine-4-carboxylic acid in 75 ml of ethanol. The reaction mixture is refluxed with stirring for about 64 hours and then concentrated to dryness under reduced pressure. The residue thus obtained is taken up in 500 ml of water and then extracted with 500 ml of dichloromethane. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. 5.08 g of ethyl 2-ethylpyridine-4-carboxylate are thus obtained in the form of an oil.

**Reference Example 214a: 2-Bromo-4-(bromomethyl)pyridine**

0.073 ml of acetic acid is added to a solution of 0.172 g of 2-bromo-4-methylpyridine in 2.5 ml of carbon tetrachloride, under an inert atmosphere of argon at a

temperature in the region of 20°C, the mixture is brought to a temperature of 50°C with stirring, and 0.356 g of N-bromosuccinimide and 0.048 g of benzoyl peroxide are successively added at this temperature. The mixture is maintained at 80°C for about 18 hours. After cooling, the reaction medium is deposited on a cartridge 20 mm in diameter packed with 10 g of 20-40 µm silica not conditioned beforehand, and then eluted with dichloromethane at a flow rate of 5 ml/minute. The fractions between 30 and 40 ml are concentrated to dryness under reduced pressure. 0.071 g of 2-bromo-4-(bromomethyl)pyridine is thus obtained.

**Reference Example 215a: 2-Fluoro-4-(bromomethyl)pyridine**

0.073 ml of acetic acid is added to a solution of 0.111 g of 2-fluoro-4-methylpyridine in 2.5 ml of carbon tetrachloride, under an inert atmosphere of argon at a temperature in the region of 20°C, the mixture is brought to a temperature of 50°C with stirring, and 0.356 g of N-bromosuccinimide and 0.048 g of benzoyl peroxide are successively added at this temperature. The mixture is maintained at 80°C for about 16 hours. After cooling, the reaction medium is deposited on a cartridge 20 mm in diameter packed with 10 g of 20-40 µm silica not conditioned beforehand, and then eluted with dichloromethane at a flow rate of 5 ml/minute. The fractions between 28 and 38 ml are concentrated to dryness under reduced pressure. 0.063 g of 2-fluoro-4-(bromomethyl)pyridine is thus obtained.

**Reference Example 216a: 2-Cyano-4-(bromomethyl)pyridine**

0.146 ml of acetic acid is added to a solution of 0.236 g of 2-cyano-4-methylpyridine in 5 ml of carbon tetrachloride, under an inert atmosphere of argon at a temperature in the region of 20°C, the mixture is brought to a temperature of 50°C with stirring, and 0.712 g of

N-bromosuccinimide and 0.096 g of benzoyl peroxide are successively added at this temperature. The mixture is maintained at 80°C for about 18 hours. After cooling, the reaction medium is deposited on a cartridge 27 mm in diameter packed with 25 g of 20-40 µm silica not conditioned beforehand, and then eluted with dichloromethane at a flow rate of 10 ml/minute. The fractions between 140 and 175 ml are concentrated to dryness under reduced pressure. 0.097 g of 2-cyano-4-(bromomethyl)pyridine is thus obtained.

**Reference Example 243a: 2,6-Dibromo-4-(bromomethyl)-pyridine**

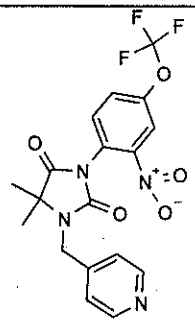
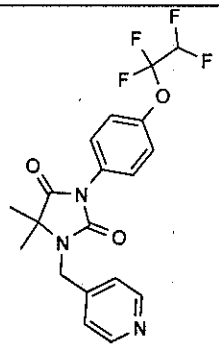
A solution of 0.5 g of 2,6-dibromo-4-(hydroxymethyl)pyridine in 7 ml of dichloromethane is added to a solution of 0.95 g of dibromotriphenylphosphorane in 5 ml of dichloromethane under an inert atmosphere of argon at a temperature in the region of 0°C. The mixture is stirred up to a temperature in the region of 20°C over about 2 hours. The reaction medium is taken up in 100 ml of dichloromethane and then washed with 100 ml of water. The organic phase is dried over magnesium sulfate, filtered and then concentrated to dryness under reduced pressure. The residue thus obtained is purified by flash chromatography using a cartridge 37 mm in diameter packed with 50 g of conditioned 20-40 µm silica, and then eluted with a mixture (cyclohexane/ethyl acetate) (9/1) (v/v) at a flow rate of 8 ml/minute. The fractions between 135 and 200 ml are concentrated under reduced pressure. 0.349 g of 2,6-dibromo-4-(bromomethyl)pyridine is thus obtained.

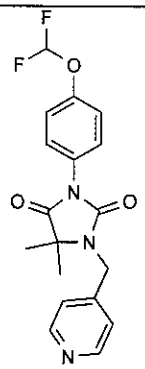
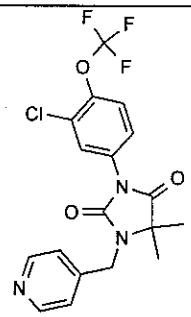
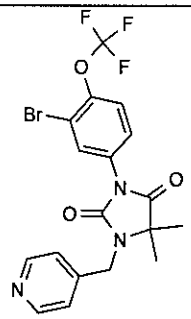
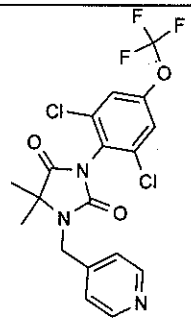
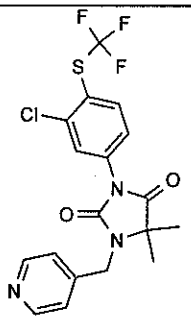
**General procedure for the products of Examples 244 to 255**

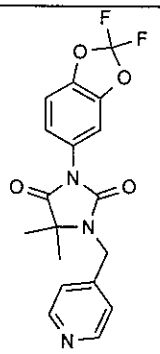
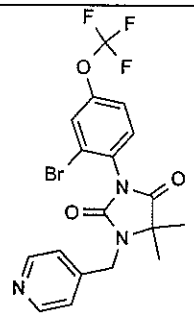
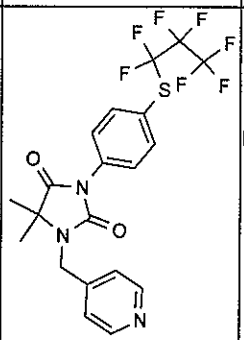
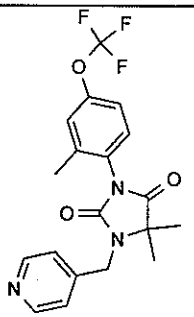
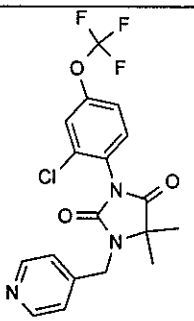
A solution of 0.481 mM of anilino derivative in 0.6 ml of toluene is added to a suspension of 0.064 ml of diphosgene (0.53 mM) and 20 mg of plant black in 1 ml of

toluene, at a temperature in the region of -20°C. The mixture is stirred up to a temperature in the region of 20°C, and then refluxed for 3 hours. The mixture is cooled to a temperature in the region of 20°C and then filtered through Celite. A solution of 100 mg of methyl 2-methyl-2-[(pyrid-4-ylmethyl)amino]propanoate (0.48 mM) in 0.6 ml of toluene is added to the filtrate. The mixture thus obtained is refluxed for 16 hours and then cooled to a temperature in the region of 20°C. The precipitate is filtered off and the filtrate is concentrated under reduced pressure. The residue obtained is purified by preparative LC/MS.

Summary table of the starting anilino derivatives and of the products prepared

| Example N° | Name of the starting anilino derivative | Amount of anilino derivative used (mg) | Structure of the product obtained | Name of the product obtained | Empirical formula of the product obtained | Molecular weight of the product obtained | Amount obtained (mg) |
|---|---|---|---|---|---|---|---|
| 244 | 2-NITRO-4-(TRIFLUORO-METHOXY)ANILINE | 106.7 |  | 5,5-Dimethyl-3-(2-nitro-4-trifluoromethoxyphenyl)-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione 2 | C18 H15 F3 N4 O5 | 424.34 | 54.2 |
| 245 | 4-(1,1,2,2-TETRAFLUOROETHOXY)ANILINE | 100.4 |  | 5,5-Dimethyl-1-pyrid-4-yl-methyl-3-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]-imidazolidine-2,4-dione 2 | C19 H17 F4 N3 O3 | 411.36 | 32.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 246 | 4-(DIFLUOROMETHOXY)ANILINE | 76.4 |  | 3-(4-Difluoromethoxy-phenyl)-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione 2 | C18 H17 F2 N3 O3 | 361.35 | 3.9 |
| 247 | 3-CHLORO-4-(TRIFLUORO-METHOXY)ANILINE | 101.6 |  | 3-(3-Chloro-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Cl F3 N3 O3 | 413.79 | 46.2 |
| 248 | 3-BROMO-4-(TRIFLUORO-METHOXY)ANILINE | 122.9 |  | 3-(3-Bromo-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Br F3 N3 O3 | 458.24 | 43.2 |
| 249 | 2,6-DICHLORO-4-(TRIFLUORO-METHOXY)ANILINE | 118.1 |  | 3-(2,6-Dichloro-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H14 Cl2 F3 N3 O3 | 448.23 | 19.9 |
| 250 | 3-CHLORO-4-(TRIFLUORO-METHYLTHIO)ANILINE | 109.3 |  | 3-(3-Chloro-4-trifluoro-methylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Cl F3 N3 O2 S | 429.85 | 33 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 251 | 2,2-DIFLUORO-5-AMINOBENZODIOXOLE | 83.1 |  | 3-(2,2-Difluoro-1,3-benzodioxol-5-yl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 F2 N3 O4 | 375.33 | 7.4 |
| 252 | 2-BROMO-4-(TRIFLUORO-METHOXY)ANILINE | 122.9 |  | 3-(2-Bromo-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Br F3 N3 O3 | 458.24 | 21.9 |
| 253 | 4-(HEPTAFLUOROPROPYL-THIO)ANILINE | 140.8 |  | 3-(4-Heptafluoro-propylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C20 H16 F7 N3 O2 S | 495.42 | 38.5 |
| 254 | 2-METHYL-4-(TRIFLUORO-METHOXY)ANILINE | 91.8 |  | 5,5-Dimethyl-3-(2-methyl-4-trifluoromethoxy-phenyl)-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C19 H18 F3 N3 O3 | 393.37 | 68.8 |
| 255 | 2-CHLORO-4-(TRIFLUORO-METHOXY)ANILINE | 101.6 |  | 3-(2-Chloro-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Cl F3 N3 O3 | 413.79 | 77.6 |

**Summary table of the physicochemical characteristics of the products obtained**

| Example N° | Name of the product obtained | Empirical formula of the product obtained | Molecular weight of the product obtained | Description of the mass spectrum (electronic impact) | Description of the mass spectrum (analytical LC/MS) retention time, m/z | Description of the NMR spectrum (1H NMR spectrum (300 MHz, (CD3)2SO-d6, δ in ppm) |
|---|---|---|---|---|---|---|
| 244 | 5,5-Dimethyl-3-(2-nitro-4-trifluoromethoxyphenyl)-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione 2 | C18 H15 F3 N4 O5 | 424.34 | m/z=424 M+. m/z=409 (M – CH3)+ m/z=407 (M – OH)+ m/z=378 (M – NO2)+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ base peak | | 1.44 (broad s: 6H); 4.69 (broad s: 2H); 7.41 (broad d, J = 5.5 Hz: 2H); 7.98 (d, J = 8.5 Hz: 1H); 8.07 (broad d, J = 8.5 Hz: 1H); 8.29 (d, J = 2.5 Hz: 1H); 8.56 (broad d, J = 5.5 Hz: 2H) |
| 245 | 5,5-Dimethyl-1-pyrid-4-yl-methyl-3-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]-imidazolidine-2,4-dione 2 | C19 H17 F4 N3 O3 | 411.36 | m/z=411 M+. base peak m/z=396 (M – CH3)+ m/z=294 (m/z=396 – C2H2F4)+ | | 1.43 (s: 6H); 4.65 (s: 2H); 6.85 (tt, J = 51 and 3 Hz: 1H); 7.46 (mt: 4H); 7.62 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | m/z=235 C9H5NO2F4+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ | | (dt, J = 8.5 and 2.5 Hz: 2H); 8.56 (dd, J = 6 and 1.5 Hz: 2H) |
| 246 | 3-(4-Difluoromethoxy-phenyl)-5,5-dimethyl-1-pyrid-4-ylmethyl-imidazolidine-2,4-dione 2 | C18 H17 F2 N3 O3 | 361.35 | | t = 2.64 min m/z = 362 (M+1) | |
| 247 | 3-(3-Chloro-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Cl F3 N3 O3 | 413.79 | m/z=413 M+. m/z=398 (M – CH3)+ m/z=237 C8H3NO2ClF3+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ base peak | | 1.43 (s: 6H); 4.66 (s: 2H); 7.46 (d, J = 6 Hz: 2H); 7.66 (dd, J = 8.5 and 2.5 Hz: 1H); 7.77 (broad dd, J = 8.5 and 1 Hz: 1H); 7.93 (d, J = 2.5 Hz: 1H); 8.55 (broad d, J = 6 Hz: 2H) |
| 248 | 3-(3-Bromo-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Br F3 N3 O3 | 458.24 | m/z=457 M+. m/z=442 (M – CH3)+ m/z=281 C8H3NO2BrF3+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ | | 1.43 (s: 6H); 4.65 (s: 2H); 7.46 (broad d, J = 6 Hz: 2H); 7.68 (dd, J = 8.5 and 2.5 Hz: 1H); 7.74 (broad d, J |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | m/z=92 C6H6N+ base peak | | = 8.5 Hz: 1H); 8.05 (d, J = 2.5 Hz: 1H); 8.55 (dd, J = 6 and 1.5 Hz: 2H) |
| 249 | 3-(2,6-Dichloro-4-trifluoromethoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H14 Cl2 F3 N3 O3 | 448.23 | m/z=447 M+. m/z=432 (M – CH3)+ m/z=412 (M – Cl)+ m/z=271 C8H2NO2Cl2F3+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ base peak | | 1.47 (s: 6H); 4.73 (s: 2H); 7.47 (broad d, J = 6 Hz: 2H); 8.00 (broad s: 2H); 8.58 (dd, J = 6 and 1.5 Hz: 2H) |
| 250 | 3-(3-Chloro-4-trifluoro-methylsulfanylphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Cl F3 N3 O2 S | 429.85 | m/z=429 M+. base peak m/z=414 (M – CH3)+ m/z=253 C8H3NOSClF3+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ | | 1.43 (s: 6H); 4.66 (s: 2H); 7.46 (broad d, J = 6 Hz: 2H); 7.70 (dd, J = 8.5 and 2 Hz: 1H); 7.97 (d, J = 2 Hz: 1H); 8.05 (d, J = 8.5 Hz: 1H); 8.54 (dd, J = 6 and 1.5 Hz: 2H) |

| | | | | | | |
|---|---|---|---|---|---|---|
| 251 | 3-(2,2-Difluoro-1,3-benzodioxol-5-yl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 F2 N3 O4 | 375.33 | | t = 2.80 min m/z = 376 (M+1) | |
| 252 | 3-(2-Bromo-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Br F3 N3 O3 | 458.24 | m/z=457 M+. m/z=414 (M – CH3)+ m/z=378 (M – Br)+ base peak m/z=350 (m/z=378 – CO)+ m/z=281 C8H3NO2BrF3+. m/z=244 (m/z=378 - C7H6N2O)+ m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ | | 1.43 (s: 3H); 1.48 (s: 3H); 4.68 (limit AB, J = 17 Hz: 2H); 7.42 (broad d, J = 6 Hz: 2H); 7.66 (broad dd, J = 8.5 and 2 Hz: 1H); 7.83 (d, J = 8.5 Hz: 1H); 8.07 (broad d, J = 2 Hz: 1H); 8.56 (dd, J = 6 and 1.5 Hz: 2H) |
| 253 | 3-(4-Heptafluoropropyl-sulfanylphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C20 H16 F7 N3 O2 S | 495.42 | m/z=495 M+. base peak m/z=480 (M – CH3)+ m/z=319 C10H4NOSF7+. m/z=150 (m/z=319 – C3F7)+ m/z=147 C9H11N2+ m/z=133 | | 1.43 (s: 6H); 4.66 (s: 2H); 7.46 (broad d, J = 6 Hz: 2H); 7.71 (broad d, J = 8.5 Hz: 2H); 7.89 (broad d, J = 8.5 Hz: 2H); 8.55 (dd, J = 6 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | C7H5N2O+ m/z=92 C6H6N+ | | and 1.5 Hz: 2H) |
| 254 | 5,5-Dimethyl-3-(2-methyl-4-trifluoro-methoxyphenyl)-1-pyrid-4-ylmethylimidazolidine-2,4-dione 2 | C19 H18 F3 N3 O3 | 393.37 | m/z=393 M+. base peak m/z=378 (M – CH3)+ m/z=217 C9H6NO2F3+. m/z=147 C9H11N2+ m/z=133 C7H5N2O+ m/z=92 C6H6N+ | | 1.43 and 1.44 (2 s: 6H in total); 2.21 (s: 3H); 4.65 (broad s: 2H); 7.36 (broad d, J = 8.5 Hz: 1H); 7.42 (broad d, J = 6 Hz: 2H); 7.45 (broad s: 1H); 7.55 (d, J = 8.5 Hz: 1H); 8.55 (dd, J = 6 and 1.5 Hz: 2H) |
| 255 | 3-(2-Chloro-4-trifluoro-methoxyphenyl)-5,5-dimethyl-1-pyrid-4-yl-methylimidazolidine-2,4-dione 2 | C18 H15 Cl F3 N3 O3 | 413.79 | m/z=413 M+. m/z=398 (M – CH3)+ m/z=378 (M – Cl)+ base peak m/z=350 (m/z=378 – CO)+ m/z=237 C8H3NO2ClF3+. m/z=147 C9H11N2+ m/z=133 | | 1.43 (s: 3H); 1.48 (s: 3H); 4.67 (broad s: 2H); 7.42 (broad d, J = 6 Hz: 2H); 7.62 (ddd, J = 8.5 - 2.5 and 1 Hz: 1H); 7.85 (d, J = 8.5 Hz: 1H); |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | C7H5N2O+ m/z=92 C6H6N+ | | 7.88 (broad d, J = 2.5 Hz: 1H); 8.57 (dd, J = 6 and 1.5 Hz: 2H) |

The products of Examples 256 to 263 were obtained according to the procedure described above.

**Example 256**

5-(5-Hydroxy-4,4-dimethyl-2-oxo-3-quinolin-4-ylmethylimidazolidin-1-yl)-2-trifluoromethoxybenzoic acid methyl ester

$^1$H NMR (DMSO)

- (P-31800-112-1): 1.47 ppm (s, 6H); 3.89 ppm (s, 3H); 5.15 ppm (s, 2H); from 7.65 to 7.73 ppm (m, 3H); 7.82 ppm (vtm J= 8.5 Hz, 1H); 7.92 ppm (dd, J= 2.5-8.5 Hz, 1H); 8.07 ppm (bd, J= 8.5 Hz, 1H); 8.17 ppm (d, J= 2.5 Hz, 1H); 8.26 ppm (bd, J= 8.5 Hz, 1H); 8.86 ppm (d, J= 4.5 Hz, 1H)

LC/MS: $MH^+$ = 488

**Example 257**

3-(3-Bromo-4-trifluoromethoxyphenyl)-5,5-dimethyl-1-quinolin-4-ylmethylimidazolidine-2,4-dione

$^1$H NMR (DMSO)

- (P-31800-101-1): 1.45 ppm (s, 6H); 5.15 ppm (s, 2H); from 7.62 to 7.72 ppm (m, 4H); 7.80 ppm (bt, J= 8.5 Hz, 1H); 8.08 ppm (m, 2H); 8.26 ppm (bd, J= 8.5 Hz, 1H); 8.86 ppm (d, J= 4.5 Hz).

**Example 258:**

3-(3-Chloro-4-trifluoromethoxyphenyl)-5,5-dimethyl-1-quinolin-4-ylmethylimidazoline-2,4-dione

$^1$H NMR (DMSO):

- P-31800-105-1 NMR No. 6354R: 1.44 ppm (s, 6H); 5.14 ppm (s, 2H); from 7.61 to 7.84 ppm (m, 5H); 7.94 ppm (d, J= 2.5 Hz, 1H); 8.07 ppm (bd, J=8.5 Hz, 1H); 8.24 ppm (bd, J= 8.5 Hz, 1H); 8.83 ppm (d, J= 4.5 Hz, 1H).

LC/MS: MH+ = 464

**Example 259**

5-(4,4-Dimethyl-2,5-dioxo-3-quinolin-4-ylmethyl-imidazolidin-1-yl)-2-trifluoromethylbenzoic acid

$^1$H NMR (DMSO)

- (P-29798-111-1): 1.47 ppm (s, 6H); 5.15 ppm (s, 2H); from 7.62 to 7.72 ppm (m, 3H); 7.81 ppm (bt, J= 8.5 Hz, 1H); 7.88 ppm (dd, J= 2.5-8.5, 1H); 8.08 ppm (bt, J= 8.5 Hz, 1H); 8.15 ppm (d, J= 2.5 Hz, 1H); 8.26 ppm (bd, J= 8.5 Hz, 1H); 8.87 ppm (d, J= 4.5 Hz, 1H); 13.5 ppm (bs, 1H).

LC/MS: $MH^+$ = 474

**Example 260**

5,5-Dimethyl-3-{3-[4-(4-methylpiperazin-1-yl)butyryl]-4-trifluoromethoxyphenyl}-1-quinolin-4-ylmethylimidazolidine-2,4-dione

$^1$H NMR (DMSO)

- (P-29798-112-1): 1.51 ppm (s, 6H); 1.97 ppm (m, 2H); 2.82 ppm (s, 3H); from 3.0 to 4.0 ppm (broad unresolved complex, 12H); 5.35 ppm (s, 2H); 7.63 ppm (qd, J= 1.5-8.5 Hz, 1H); 7.75 ppm (dd, J=2.5-8.5 Hz, 1H); 7.82 ppm (d, J= 2.5 Hz, 1H); 7.94 ppm (bt, J= 8.5 Hz, 1H); 8.10 ppm (m, 2H); 8.39 ppm (bd, J= 8.5 Hz, 1H); 8.51 ppm (bd, J= 8.5 Hz, 1H); 8.72 ppm (bt, J= 5.5 Hz, 1H); 9.15 ppm (d, J= 5Hz, 1H); 11.97 ppm (bs, 1H).

MS/EI: M+ = 612+

**Example 261**

5-(5-Hydroxy-4,4-dimethyl-2-oxo-3-quinolin-4-ylmethyl-imidazolidin-1-yl)-2-trifluoromethoxybenzoic acid

The following are introduced into a 30 ml round-bottomed flask equipped with a magnetic stirrer and a septum on which is mounted a nitrogen inlet:

- 200 mg (0.41 mmol) of ester in 2 ml of ether
- 8 mg (0.205 mmol) of $LiAlH_4$, i.e. 8 ml of 1M solution in 2 ml of THF.

The reaction medium is stirred at room temperature for 24 hours.

By tlc; 8/2 $CH_2Cl_2$/EtOAc: a product more polar than the starting material is formed, but starting material remains.

A further 0.5 equivalent of $LiAlH_4$ is added and the mixture is stirred for 5 hours. A small amount of starting material still remains, but the reaction mixture is worked up.

The reaction medium is hydrolyzed by pouring water therein, and it is extracted with 3 times 10 ml of ethyl acetate. The organic extracts are combined and dried over magnesium sulfate, and the EtOAc is evaporated off.

The crude reaction product is purified using a $CH_2Cl_2$/EtOAc eluent mixture (9/1).

60 mg of alcohol are thus obtained.

$^1H$ NMR (DMSO): 1.19 ppm (s, 3H); 1.24 ppm (s, 3H); 3.86 ppm (s, 3H); 4.92 ppm (AB system, J= 18 Hz, 2H); 5.36 ppm (s, 1H); 7.51 ppm (dm, J= 9.0 Hz, 1H); 7.58 ppm (d, J= 4.5 Hz, 1H); 7.66 (m, 1H); 7.80 ppm (m, 1H); 8.00

ppm (dd, J= 2.5-9.0 Hz, 1H); 8.06 ppm (dd, J= 1.5-8.5 Hz, 1H); 8.28 ppm (dd, J= 1.5-8.5 Hz, 1H); 8.33 ppm (d, J= 2.5 Hz, 1H); 8.84 ppm (df, J= 4.5 Hz, 1H).
LC/MS: $MH^+$ = 489

**Example 262**

4,4-Dimethyl-3-quinolin-4-ylmethyl-5-thioxo-1-(4-trifluoromethoxyphenyl)imidazolidin-2-one

The reaction mixture below is refluxed for 9 hours:
- 317 mg ($0.739\times10^{-3}$ mol) of hydantoin SB 31051-139
- 78 mg ($0.19\times10^{-3}$ mol) of Lawesson's reagent
- 1 $cm^3$ of toluene

and it is then cooled, filtered and concentrated under reduced pressure. A yellow foam is recovered, and is purified by chromatography several times on silica, eluting with chloroform/acetone (97/3). 231 mg of pure yellow resin of Rf = 0.38 are obtained. Th = 329 mg. Yield = 70%

$^1H$ NMR (DMSO) ppm
- (P-31051-146-2): 1.57 ppm (s, 6H); 5.24 ppm (s, 2H); 7.57 ppm (m, 2H); 7.63 ppm (d, J= 4.5 Hz, 1H); 7.70 ppm (m, 3H); 7.81 ppm (bt, J= 8.5 Hz, 1H); 8.08 ppm (dd, J= 1.5-8.5 Hz, 1H); 8.26 ppm (dd, J= 1.5-8.5 Hz, 1H); 8.86 ppm (d, J= 4.5 Hz, 1H).
LC/SM: $MH_+$ = 446

**Example 263**

5,5-Dimethyl-1-quinolin-4-ylmethyl-2-thioxo-3-(4-trifluoromethoxyphenyl)imidazolidin-4-one

The reaction mixture below is stirred at room temperature for 20 hours:
- 0.6 g (mmol) of quinoline derivative
- 0.918 g (mmol) of thio-isocyanate

- 12 $cm^3$ of anhydrous THF
- 0.2 $cm^3$ of TEA

The mixture is concentrated under reduced pressure and then purified on a 25 g AIT column, eluting with 95/5 DMC/acetone.

The product of Rf = 0.12 is recovered, i.e. 266 mg. Yield = 26%

$^1H$ NMR (DMSO)
(P-31051-160-2): 1.5 ppm (s, 6H); 5.56 ppm (s, 2H); 7.55 ppm (m, 3H); 7.69 ppm (m, 3h); 7.82 ppm (bt, J= 8.5 Hz, 1H); 8.08 ppm (dd, J= 1.5-8.5, 1H); 8.28 ppm (dd, J= 1.5-8.5, 1H); 8.83 ppm (d, J= 4.5 Hz, 1H).
MS: $M^+ = 445^+$

The products of examples 264 to 332 are described in table 1 below: these products are prepared as indicated in the experimental section of the present patent application and especially as indicated for the products of examples 70 to 200, and thus constitute examples 264 to 332 of the present invention.

**EXAMPLE 333 : PHARMACEUTICAL COMPOSITION :**

Tablets were prepared corresponding to the following formula:

Product of Example 9 ..... 0.2 g
Excipient for a finished tablet weighing..... 1 g
(details of the excipient: lactose, talc, starch, magnesium stearate).

**EXAMPLE 334 : PHARMACEUTICAL COMPOSITION :**

Tablets were prepared corresponding to the following formula:
Product of Example 52..... 0.2 g

Excipient for a finished tablet weighing..... 1 g
(details of the excipient: lactose, talc, starch, magnesium stearate).

The examples of pharmaceutical compositions 333 and 334 above illustrate the present invention, given that the same preparations may be performed with other preferred products of the present invention and form part of the present invention.

The present invention also comprises as examples the products of formula (I) below: the list below gives the names of products of formula (I) as defined above for which B2 represents a pyridyl radical or a quinolyl radical: these products form part of the present invention and may be synthesized according to the processes described above for obtaining the products of formula (I), and especially according to the operating conditions described for the preparation of Examples 61 to 63:

- 5,5-dimethyl-1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-

trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexanylcarboxamidopyrid-4-

ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-benzylaminosulfonylaminopyrid-4-

ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxypnenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-

dione
- 5,5-dimethyl-1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminomethylpyrid-4-ylmethyl)3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 4-(2-methylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isopropylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-tert-butylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isobutylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-cyclohexylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(3-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-fluorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methoxyphenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2,2'-bipyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-hydroxymethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-chloropyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-fluoropyrid-4-yl)methyl-6-(4-

trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-bromopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-aminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-ethylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-isopropylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-cyclohexylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-diethylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-N-cyclohexyl-N-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-piperidinopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-morpholinopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methylpiperazino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(1H-pyrazol-1-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-benzoylhydrazino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzoylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(3-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-fluorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methoxybenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-acetamidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylacetamidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methylpiperazino)acetamidopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-cyclohexanylcarboxamidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-

diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-furanylcarbonyl)aminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isopropoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-butoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chloroanilino)carbonylaminopyrid-4-yl]methyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-anilinocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylaminocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-pyridylamino)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ureidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-(2-methylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-morpholinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-anilinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-thienyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-hydroxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-tert-butoxycarbonylpyrid-4-yl)methyl-6-(4-

trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(methylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(dimethylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-piperidinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-morpholinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-phenylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenylaminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(methylphenylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-morpholinylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-

5,7-dione
- 4-(2-aminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenoxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methoxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1-pyrrolidyl)ethoxypyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzyloxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzoyloxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-tetrazol-5-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-amidinopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminomethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-(2-aminomethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isopropylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-tert-butylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isobutylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-cyclohexylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(3-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-fluorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxyphenyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylpyrid-4-yl)methyl-6-(4-

trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3,2'-bipyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-hydroxymethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-chloropyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-fluoropyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-bromopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-aminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-ethylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-isopropylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-phenylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-cyclohexylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-diethylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-N-cyclohexyl-N-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-piperidinopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1H-pyrazol-1-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-benzoylhydrazino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzoylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(3-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-fluorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxybenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-acetamidopyrid-4-yl)methyl-6-(4-

trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-phenylacetamidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazino)acetamidopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-cyclohexanylcarboxamidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-furanylcarbonyl)aminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isopropoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-butoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chloroanilino)carbonylaminopyrid-4-yl]methyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-anilinocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-(3-benzylaminocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-pyridylamino)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ureidopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-anilinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-thienyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-[3-(4-chlorophenyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-hydroxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-tert-butoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(methylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(dimethylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-piperidinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-phenylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylaminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-[3-(methylphenylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-morpholinylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methoxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1-pyrrolidyl)ethoxypyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzyloxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzoyloxypyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-

5,7-dione
- 4-[3-(1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1H-tetrazol-5-yl)pyrid-4-yl]methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-amidinopyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminomethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminomethylpyrid-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 5-methyl-1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-

trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-

(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-

(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-

3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-

(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-

dione
- 5-methyl-1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-dimethylaminomethylpyrid-4-yl)methyl]-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione - 5,5-dimethyl-1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-

dione
- 5,5-dimethyl-1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3,2'-bipyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-chloropyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-fluoropyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-bromopyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminopyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminopyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-

(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-acetamidopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-

ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazinocarbonyl)pyrid-4-
ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(methylamino)carbonylpyrid-4-
ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(dimethylamino)carbonylpyrid-4-
ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinocarbonylpyrid-4-ylmethyl)-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-(3-morpholinocarbonylpyrid-4-ylmethyl)-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-
ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-[3-(methylphenylamino)carbonylpyrid-4-

ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-
methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-
chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-morpholinylamino)carbonylpyrid-4-
ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methoxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1-pyrrolidyl)ethoxypyrid-4-
ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-
4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-
3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-(3-amidinopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminomethylpyrid-4-ylmethyl)3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 4-(2-methylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isopropylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-tert-butylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isobutylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-cyclohexylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(3-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-fluorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methoxyphenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2,2'-bipyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-hydroxymethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-chloropyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-fluoropyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-bromopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isopropylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-cyclohexylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-diethylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-N-cyclohexyl-N-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-piperidinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-morpholinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methylpiperazino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-pyrazol-1-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-benzoylhydrazino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzoylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(3-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-fluorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methoxybenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-acetamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylacetamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methylpiperazino)acetamidopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-cyclohexanylcarboxamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-furanylcarbonyl)aminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isopropoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-butoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chloroanilino)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-anilinocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylaminocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-pyridylamino)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ureidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-morpholinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-anilinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-thienyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-hydroxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-tert-butoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(methylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(dimethylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-piperidinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-morpholinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-phenylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylaminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(methylphenylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-morpholinylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminocarbonylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenoxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methoxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(1-pyrrolidyl)ethoxypyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzyloxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzoyloxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-tetrazol-5-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-amidinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isopropylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-tert-butylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isobutylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-cyclohexylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(3-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-fluorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxyphenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3,2'-bipyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-hydroxymethylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-chloropyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-fluoropyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-bromopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isopropylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-cyclohexylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-diethylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-N-cyclohexyl-N-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-piperidinopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-morpholinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1H-pyrazol-1-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-benzoylhydrazino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzoylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(3-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-fluorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxybenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-acetamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylacetamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4-methylpiperazino)acetamidopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-cyclohexanylcarboxamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-furanylcarbonyl)aminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isopropoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-butoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chloroanilino)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-anilinocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylaminocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(2-pyridylamino)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ureidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-anilinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-thienyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-benzylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-hydroxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-tert-butoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(methylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(dimethylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-piperidinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-phenylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylaminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(methylphenylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-morpholinylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methoxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1-pyrrolidyl)ethoxypyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzyloxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzoyloxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1H-tetrazol-5-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-amidinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 5-methyl-1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-

ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phencxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-

(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-methylpiperazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-
ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-
ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-
(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-dimethylaminomethylpyrid-4-yl)methyl]-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isobutylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-

(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazino)diethylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl)]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl)]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-

ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(methylphenylamino)carbonylpyrid-4-

ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-
methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-
chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4-morpholinylamino)carbonylpyrid-4-
ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-phenoxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methoxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1-pyrrolidyl)ethoxypyrid-4-
ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-
4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-
3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-
3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-
dione
- 5,5-dimethyl-1-(2-amidinopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazino)diethylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-

trifluoro)4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-diethylaminoethoxycarbonylamino)-pyrid-4-ylmethyl]-3-(4-trifluoro(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl)]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl)]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinosulfonylaminopyrid-4-

ylmethyl)-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)
- 5,5-dimethyl-1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-
methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminomethylpyrid-4-ylmethyl)3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 4-(2-methylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isopropylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-tert-butylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-isobutylpyrid-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-cyclohexylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(3-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(2-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-fluorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methoxyphenyl)pyrid-4-yl]methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-benzylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2,2'-bipyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-hydroxymethylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-chloropyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-fluoropyrid-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-bromopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-aminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-methylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-ethylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-isopropylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-cyclohexylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-diethylaminopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-N-cyclohexyl-N-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-piperidinopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-morpholinopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methylpiperazino)diethylaminopyrid-4-yl]methyl-

6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(1H-pyrazol-1-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(2-benzoylhydrazino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-benzoylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(3-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(2-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-fluorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methoxybenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-acetamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenylacetamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-methylpiperazino)acetamidopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-cyclohexanylcarboxamidopyrid-4-yl)methyl-6-(4-

trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(2-furanylcarbonyl)aminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-ethoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-isopropoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-butoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-phenoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-anilinocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-benzylaminocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-ureidopyrid-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-benzylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-morpholinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-anilinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(2-thienyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-hydroxycarbonylpyrid-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-tert-butoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(methylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(dimethylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-piperidinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-morpholinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-phenylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenylaminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(methylphenylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-

yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4-morpholinylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-phenoxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methoxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-ethoxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1-pyrrolidyl)ethoxypyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzyloxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-benzoyloxypyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[2-(1H-tetrazol-5-yl)pyrid-4-yl]methyl-6-(4-

trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-amidinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-dimethylaminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-aminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-ethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-isopropylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-tert-butylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-isobutylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-cyclohexylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-phenylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(3-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(2-chlorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4-fluorophenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4-methoxyphenyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-benzylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3,2'-bipyrid-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-hydroxymethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-chloropyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-fluoropyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-bromopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-aminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-ethylaminopyrid-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-isopropylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-phenylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-cyclohexylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-diethylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-N-cyclohexyl-N-methylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-piperidinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-morpholinopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4-methylpiperazino)diethylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(1H-pyrazol-1-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(2-benzoylhydrazino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-benzoylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-

trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(3-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-chlorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-fluorobenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxybenzoylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-acetamidopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylacetamidopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazino)acetamidopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-cyclohexanylcarboxamidopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-furanylcarbonyl)aminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-isopropoxycarbonylaminopyrid-4-yl)methyl-6-(4-

trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-butoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxycarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-anilinocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylaminocarbonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ureidopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinosulfonylaminopyrid-4-yl)methyl-6-(4-

trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-anilinosulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(2-thienyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)sulfonylaminopyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-benzylsulfonylaminopyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-hydroxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-ethoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-tert-butoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxycarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methylpiperazinocarbonyl)pyrid-4-yl]methyl-6-

(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(methylamino)carbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(dimethylamino)carbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-piperidinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-morpholinocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-phenylpiperazinocarbonyl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenylaminocarbonylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(methylphenylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-[3-(4-morpholinylamino)carbonylpyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminocarbonylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-phenoxypyrid-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methoxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-ethoxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(1-pyrrolidyl)ethoxypyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-benzyloxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-benzoyloxypyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(1H-imidazol-2-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-[3-(1H-tetrazol-5-yl)pyrid-4-yl]methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-amidinopyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-dimethylaminomethylpyrid-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-aminomethylpyrid-4-yl)methyl-6-(4-trifluoro-methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 5-methyl-1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazino)diethylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-

3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazino)diethylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-methylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-ethylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-isopropylpyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-isobutylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2,2'-bipyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-chloropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-fluoropyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-bromopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-aminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazino)diethylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-acetamidopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 1-(2-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 1-(2-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 1-[2-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[2-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-amidinopyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione

- 1-(2-dimethylaminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-ethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-isopropylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-tert-butylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-isobutylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-cyclohexylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(3-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-chlorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-fluorophenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methoxyphenyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
1-(3,2'-bipyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-hydroxymethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-chloropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 1-(3-fluoropyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-bromopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-aminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-ethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-isopropylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-cyclohexylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-diethylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-N-cyclohexyl-N-methylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-piperidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-morpholinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methylpiperazino)diethylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(1H-pyrazol-1-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-benzoylhydrazino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzoylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(3-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-chlorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-fluorobenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methoxybenzoylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-acetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenylacetamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methylpiperazino)acetamidopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-cyclohexanylcarboxamidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(1-methyl-4-piperidyl)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-furanylcarbonyl)aminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-ethoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-isopropoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-butoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-diethylaminoethoxycarbonylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenoxycarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chloroanilino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-anilinocarbonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzylaminocarbonylaminopyrid-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-pyridylamino)carbonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-ureidopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-aminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-morpholinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-dimethylaminosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-anilinosulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(2-thienyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorophenyl)sulfonylaminopyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzylsulfonylaminopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-hydroxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-ethoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-tert-butoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenoxycarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-

(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(methylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(dimethylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-piperidinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-morpholinocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-phenylpiperazinocarbonyl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenylaminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(methylphenylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-methoxyphenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-chlorophenyl)methylaminocarbonylpyrid-4-ylmethyl]-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4-morpholinylamino)carbonylpyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-aminocarbonylpyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-phenoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-ethoxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(1-pyrrolidyl)ethoxypyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzyloxypyrid-4-ylmethyl)-3-(4-trifluoro-methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-benzoyloxypyrid-4-ylmethyl)-3-(4-trifluoro-

methanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(4,5-dihydro-1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(1H-imidazol-2-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-[3-(1H-tetrazol-5-yl)pyrid-4-ylmethyl]-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-amidinopyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-dimethylaminomethylpyrid-4-yl)methyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-aminomethylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-fluoroquinol-4-ylmethyl)-3-(4-

trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methylaminoquinol-4-ylmethyl)-3-(4-

trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-piperidinoquinol-4-ylmethyl)-3-(4-

trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 4-(2-methylquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methoxyquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-chloroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-fluoroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methoxyquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-chloroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-fluoroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-(3-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-methylquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-methoxyquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-chloroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-fluoroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-aminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-methylquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-methoxyquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-chloroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 4-(6-fluoroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-aminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methylquinol-4-yl)methyl-6-(4-trifluoromethoxypnenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methoxyquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-chloroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-fluoroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-aminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methylquinol-4-yl)methyl-6-(4-

trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methoxyquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-chloroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-fluoroquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-aminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 5-methyl-1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(8-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(6-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione

- 1-(7-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(7-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-methylquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-chloroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-aminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 1-(8-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(5-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione

- 5,5-dimethyl-1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 4-(2-methylquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methoxyquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-chloroquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-fluoroquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylaminoquinol-4-yl)methyl-6-(4-trifluoro-

methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(2-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methylquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methoxyquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-chloroquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-fluoroquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(5-methylquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(5-methoxyquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(5-chloroquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(5-fluoroquinol-4-yl)methyl-6-(4-trifluoromethane-

sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-methylquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-methoxyquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-chloroquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-fluoroquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methylquinol-4-yl)methyl-6-(4-trifluoromethane-

sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methoxyquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-chloroquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-fluoroquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-aminoquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methylaminoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-piperidinoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methylquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methoxyquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-chloroquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-fluoroquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-aminoquinol-4-yl)methyl-6-(4-trifluoromethane-sulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methylaminoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-piperidinoquinol-4-yl)methyl-6-(4-trifluoro-methanesulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-

dione
- 5-methyl-1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methoxyquinol-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-fluoroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methoxyquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-fluoroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methoxyquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-fluoroquinol-4-ylmethyl)-3-(4-

trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methoxyquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-fluoroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethane-
sulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethane-
sulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethane-
sulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethane-
sulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethane-
sulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-aminoquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-methylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoro-

methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(6-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(7-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethane-

sulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-chloroquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-aminoquinol-4-ylmethyl)-3-(4-trifluoromethane-sulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-methylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 1-(8-piperidinoquinol-4-ylmethyl)-3-(4-trifluoro-methanesulfanylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-fluoroquinol-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(3-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methoxyquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-fluoroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(5-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methoxyquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-fluoroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-methylaminoquinol-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(6-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methoxyquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-fluoroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-aminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(7-piperidinoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methylquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-chloroquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-methylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-
trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5,5-dimethyl-1-(8-piperidinoquinol-4-ylmethyl)-3-(4-

trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 4-(2-methylquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methoxyquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-chloroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-fluoroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(2-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
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- 4-(3-chloroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-fluoroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(3-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(3-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-methylquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
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- 4-(5-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(5-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
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- 4-(6-methoxyquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
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- 4-(6-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(6-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(6-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methylquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methoxyquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
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- 4-(7-fluoroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(7-methylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
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- 4-(8-chloroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-fluoroquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-aminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione
- 4-(8-methylaminoquinol-4-yl)methyl-6-(4-trifluoro-

methanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(8-dimethylaminoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 4-(8-piperidinoquinol-4-yl)methyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione

- 5-methyl-1-(2-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

- 5-methyl-1-(3-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione

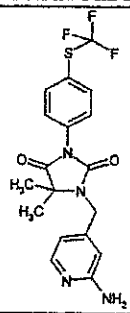
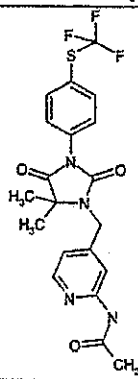
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- 5-methyl-1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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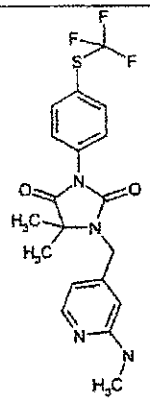
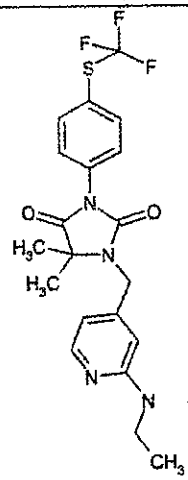
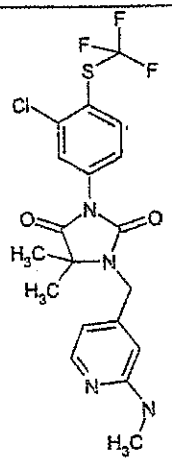
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- 5-methyl-1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(7-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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- 5-methyl-1-(8-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 5-methyl-1-(8-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-methylquincl-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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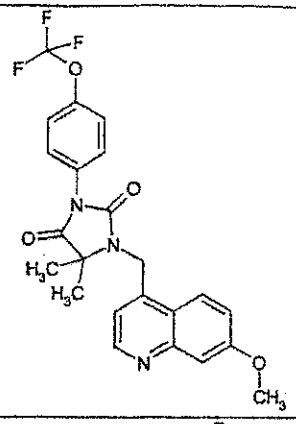
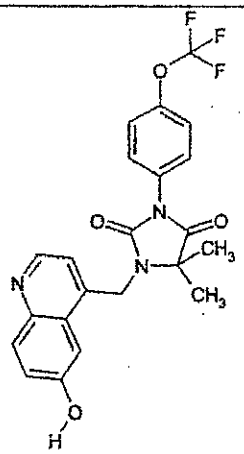
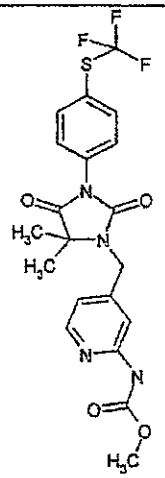
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- 1-(2-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(2-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(3-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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- 1-(3-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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- 1-(5-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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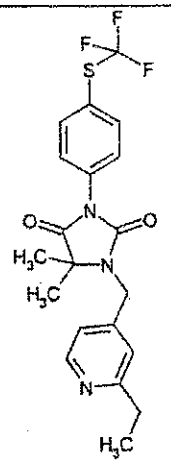
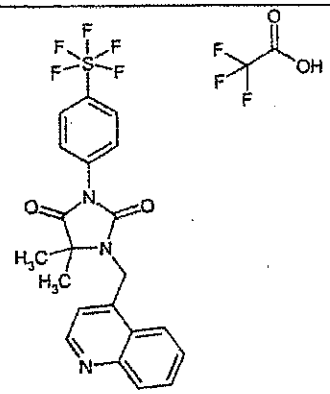
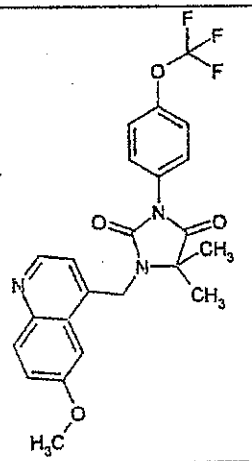
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- 1-(5-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(5-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-methylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-dimethylaminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(6-piperidinoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(7-methylquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(7-methoxyquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(7-chloroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(7-fluoroquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
- 1-(7-aminoquinol-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione
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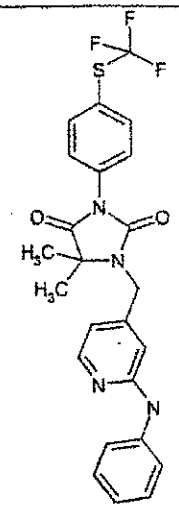
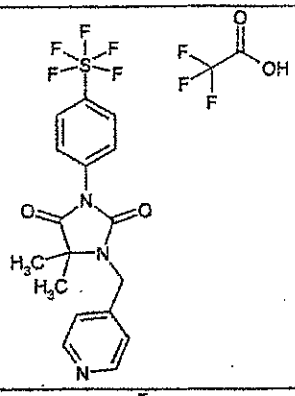
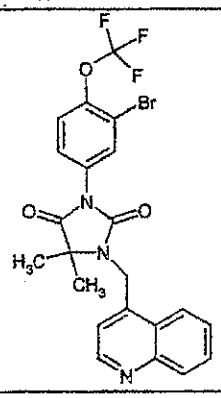
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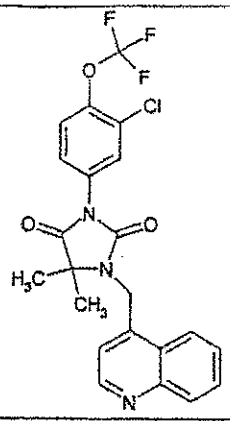
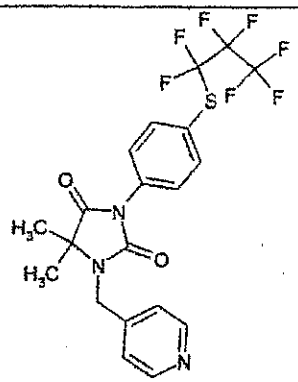
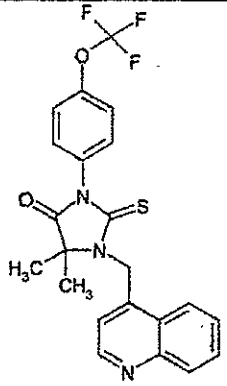
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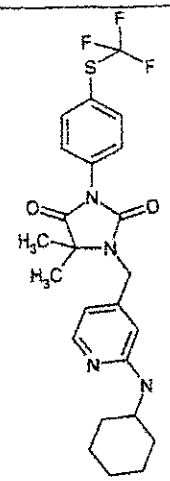
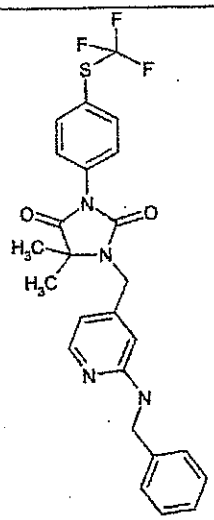
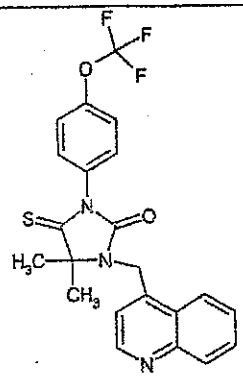
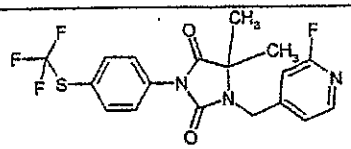
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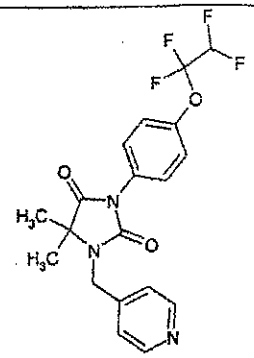
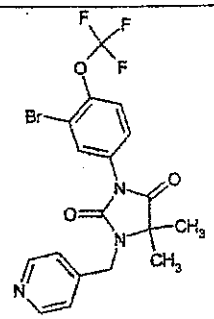
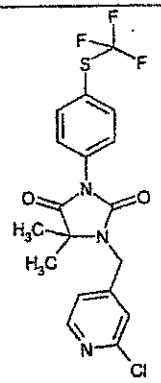
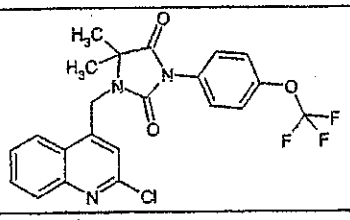
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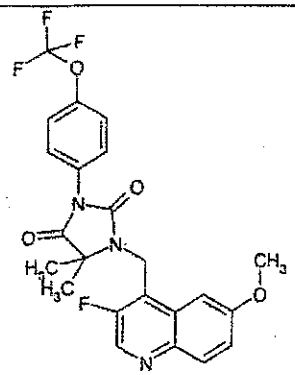
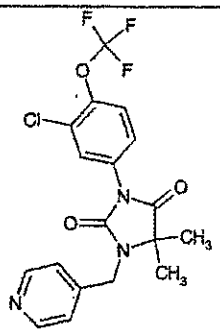
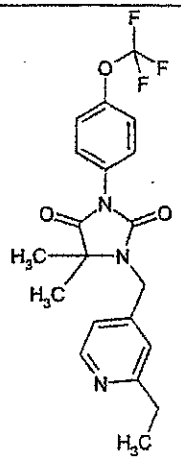
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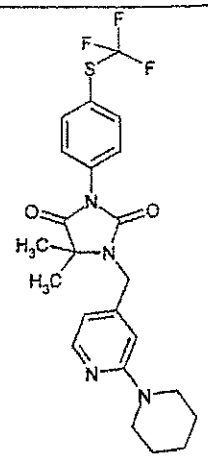
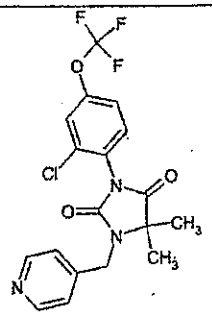
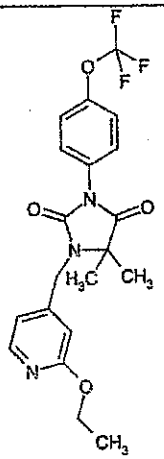
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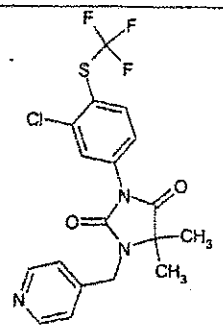
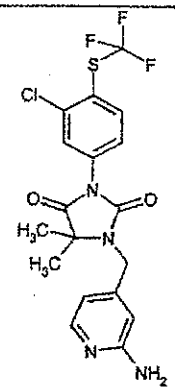
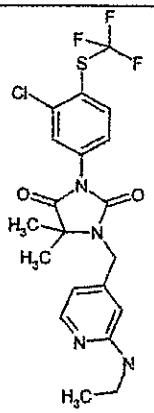
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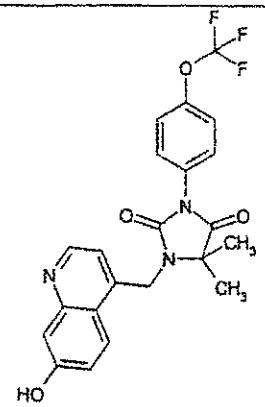
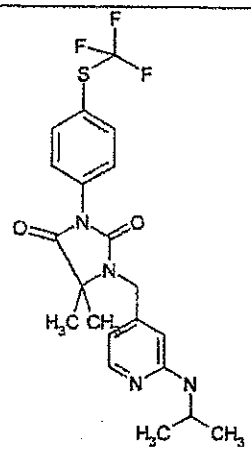
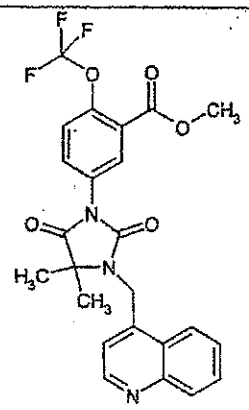
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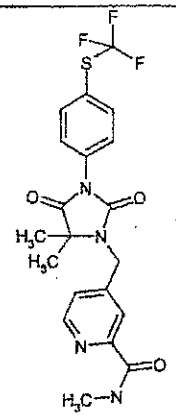
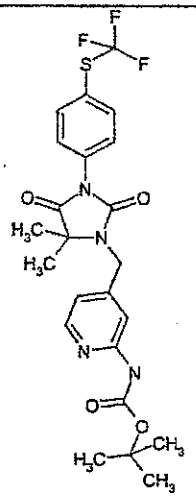
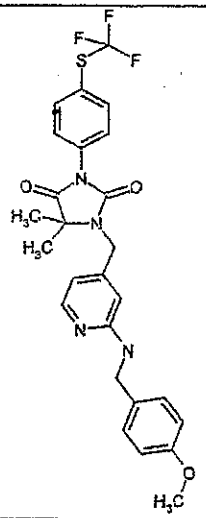
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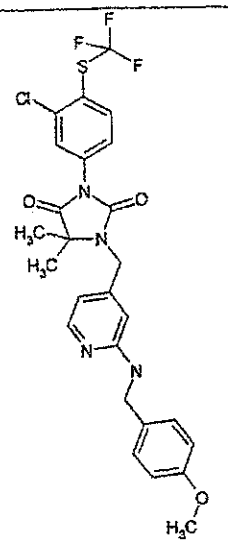
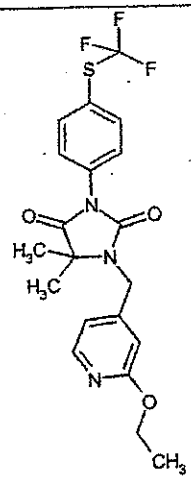
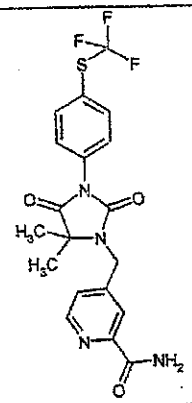
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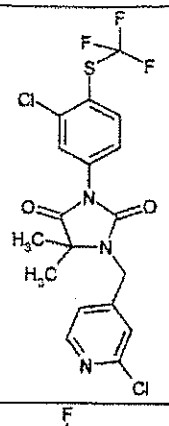
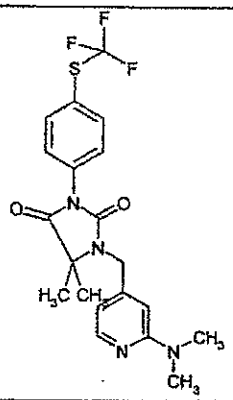
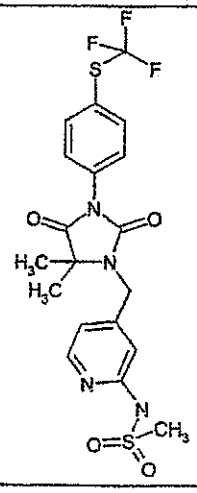
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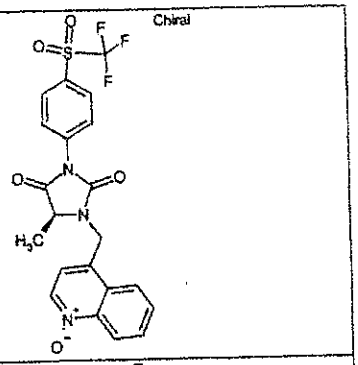
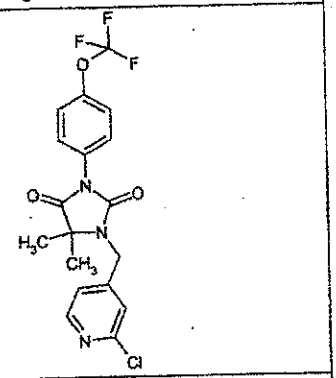
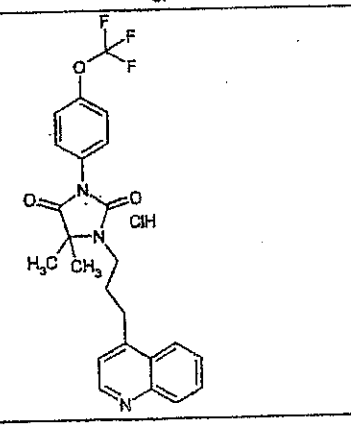
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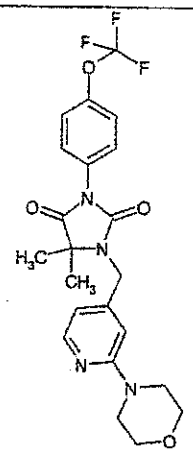
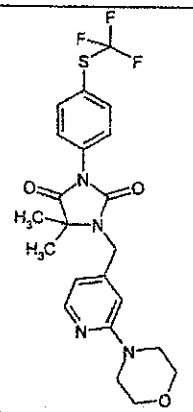
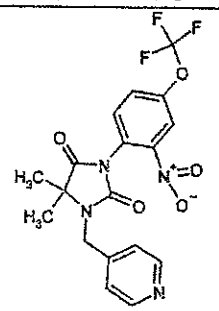
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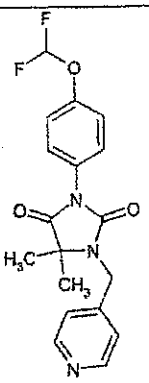
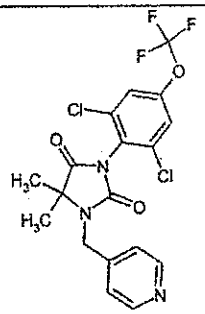
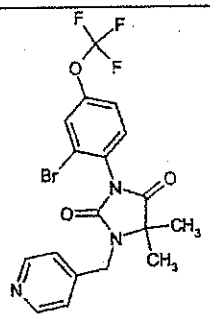
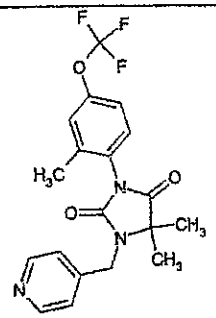
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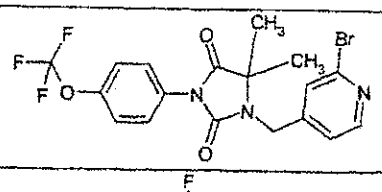
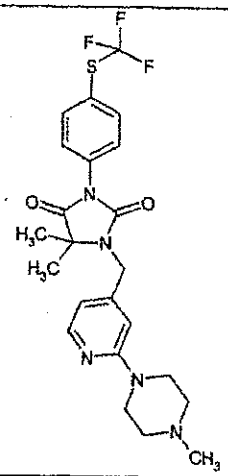
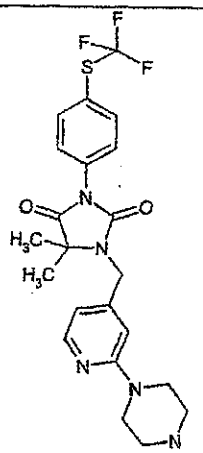
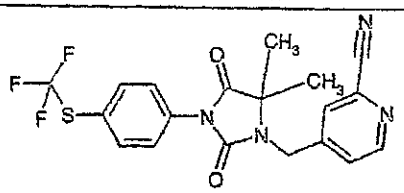
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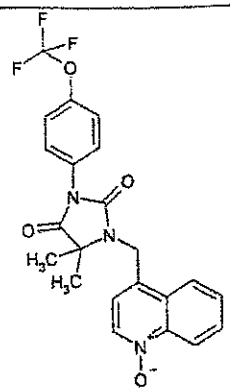
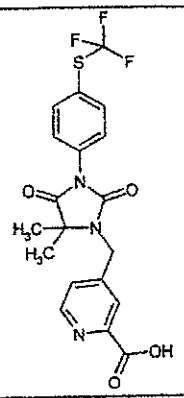
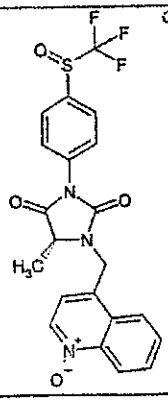
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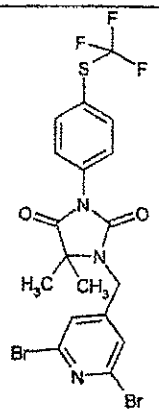
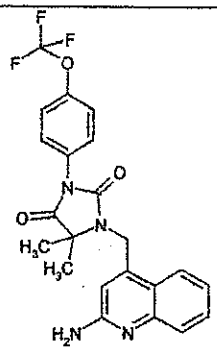
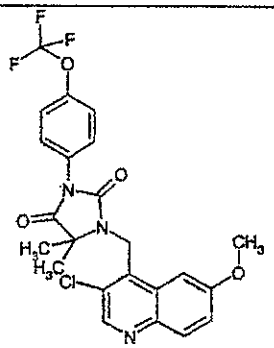
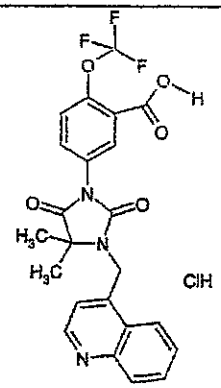
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| 326 |  Chiral |

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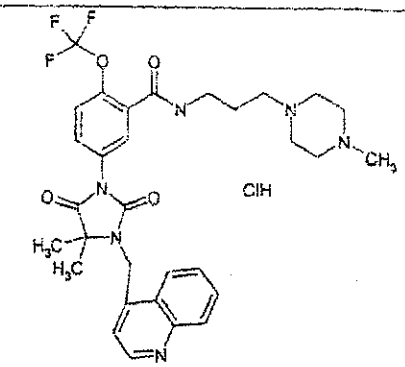
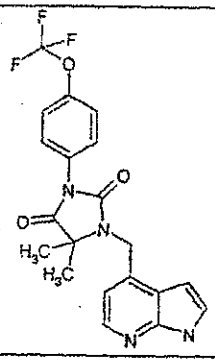
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Table 1 (ex. 264 to 332)

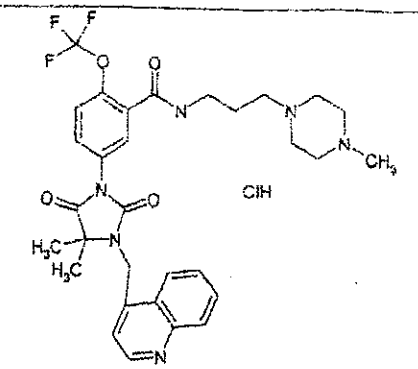
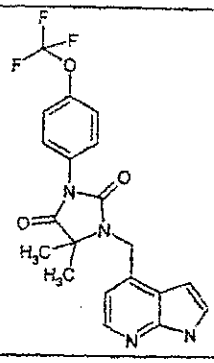
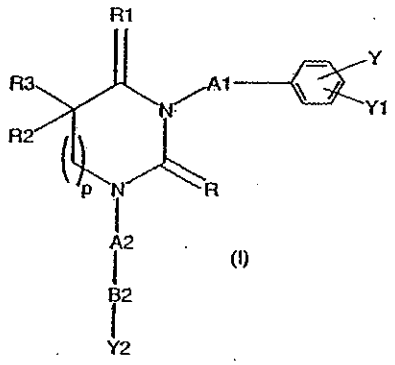
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Table 1 (ex. 264 to 332)

**Claim:**

1. The compound of formula I:




(I)

wherein

p is 0, 1 or 2,

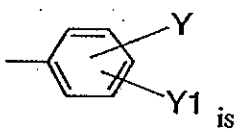
R and R1, which may be identical or different, are O or NH,

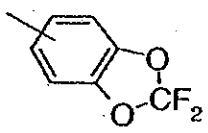
R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, hydroxyphenylalkyl, thienylbenzothienylalkyl, phenylalkyl , pyridylalkyl , benzothienylalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 the phenylalkyl, pyridylalkyl, and benzothienylalkyl being optionally substituted with one or more radicals chosen from halogen, hydroxyl, alkyl and alkoxy containing from one to four carbon atoms.

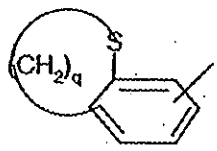
A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl,

heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the 

is 

or 


that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6
taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,
A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,
B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,
R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2$Alk, $-S(O)_2$Aryl, $-S(O)_2$heteroaryl or $-S(O)_2$NR5R6,
Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, phenyl optionally substituted with -NR5R6, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -COOR13, -COOR9, -OCOR13, -OCOR8, NR5R6, CONR5R6, $-S(O)_n$-NR5R6, -NR10-CO-R13, -NHCOR8, $-NHS(O)_nR8$, $-NH-S(O)_nCF_3$, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or -NR10-COOR13, all of which are optionally substituted,
all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,
all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,
all the aryl and heteroaryl above contain not more than 10 carbon atoms,
all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, $-N(R10)-S(O)_n$-R8, $-S(O)_n$-R8, $-N(R10)-S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,
all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,
all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,
n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, cycloalkylalkyl, $C_1$-$C_4$ alkyl, phenyl, or phenylalkyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of $C_1$-$C_4$ alkyl, halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

2. The compound according to claim 1 wherein

p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, allyl or propynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is selected from the group consisting of $-OCF_3$, $-S(O)_nCF_3$, $-S(O)_n$-alk, $-SO_2CHF_2$, $-SO_2CF_2CF_3$ and $-SO_2NR5R6$ and the other of Y and Y1 is selected from the group consisting of $-OCF_3$, $-S(O)_nCF_3$, $-S(O)_n$-alk, $-SO_2CHF_2$, $-SO_2CF_2CF_3$, $-SO_2NR5R6$, hydrogen, halogen, hydroxyl, alkoxy, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-allyl, -O-propynyl, -O-cycloalkyl, $-S(O)_n$-allyl, $-S(O)_n$-propynyl, $-S(O)_n$-cycloalkyl, -CONR5R6 and free, salified or esterified carboxyl,

wherein R5 and R6, which may be identical or different, are selected from the group consisting of hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl and heteroaryl,

or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or CO or $SO_2$,

B2 is a saturated or unsaturated heterocyclyl containing 1 or more identical or different hetero atoms chosen from O, S, N and NR7, optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2$Alk, $-S(O)_2$Aryl, $S(O)_2$heteroaryl or $-S(O)_2NR5R6$ radical,

Y2 is hydrogen, halogen, hydroxyl, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-allyl, -O-propynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-allyl, $-S(O)_n$-propynyl, $-S(O)_n$-cycloalkyl, -COOR9, -OCOR8, -NR5R6, -CONR5R6, $-S(O)_n$-R5R6, -NHCOR8, $-NH-S(O)_nR8$, $-NH-S(O)_nCF_3$ or $-NH-SO_2$-NR5R6, all these radicals being optionally substituted,

all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, N(R10)-C(=O)-NR11R12, $-N(R10)-S(O)_n$-R8, $-S(O)_n$-R8, $-N(R10)-S(O)_n$-NR11R12 or $-S(O)_n$-NR11R12, and

all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl and alkylenedioxy radicals, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

3. The compound according to claim 1 wherein

p is 0, 1 or 2 ,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, cycloalkyl, phenyl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form a 3- to 10-membered carbocyclyl or a 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7

A1 is single bond, alkyl, allyl or propynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is selected from the group consisting of $-OCF_3$, $-S(O)_nCF_3$, $S(O)_n$-alk, $-SO_2CHF_2$, $-SO_2CF_2CF_3$ and $-SO_2$NR5R6 and the other from Y and Y1 is selected from the group consisting of $-OCF_3$, $-S(O)_nCF_3$, $S(O)_n$-alk, $-SO_2CHF_2$, $-SO_2CF_2CF_3$, $-SO_2$NR5R6, hydrogen, halogen, hydroxyl, alkoxy, NR5R6,

alkyl, phenyl, optionally substituted pyrazolyl and optionally substituted pyridyl,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, cycloalkyl, heterocyclyl, phenyl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form a 3- to 10-membered heterocyclyl that contains one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered heterocyclyl containing one or more hetero atoms, which may be identical or different, chosen from O, S, N and NR7, optionally substituted with one or more substituents, which may be identical or different substituents defined as Y2,

R7 is hydrogen or an alkyl, cycloalkyl or phenyl radical,

Y2 is hydrogen, halogen, hydroxyl, alkyl, alkoxy, cycloalkyl, heterocyclyl, phenyl, heteroaryl, -O-cycloalkyl, $-S(O)_n$-alk, $-S(O)_n$-cycloalkyl, -COOR9, -OCOR8, -NR5R6, -CONR5R6, $S(O)_n$-R5R6, -NHCOR8 and $-NH-S(O)_nR8$, all these radicals being optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy radicals above being linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl radicals above containing not more than 7 carbon atoms,

all the aryl and heteroaryl radicals above containing not more than 10 carbon atoms,

all the carbocyclic and heterocyclic alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl radicals above being optionally substituted with one or more radicals, which may be identical or different, chosen from halogen atoms and cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, N(R10)-C(=O)-NR11R12, $-N(R10)-S(O)_n$-R8, $-S(O)_n$-R8, $-N(R10)-S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

all the aryl and heteroaryl radicals above are optionally substituted with one or more radicals chosen from alkyl and alkylenedioxy,

n is 0 to 2,

R8 is alkyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, phenyl or phenylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl, and

R11 and R12, which may be identical or different, are hydrogen, $C_1$-$C_4$ alkyl and phenyl, which are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl and free, salified, esterified or amidated carboxyl, or R11

and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

4. The compound according to claim 1 wherein

one of Y and Y1 is hydrogen and the other is chosen from $-OCF_3$, $-S(O)_nCF_3$, $-S(O)_n$-alk,- $SO_2CHF_2$, $-SO_2CF_2CF_3$ and $-SO_2NR5R6$, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH); or

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl.

5. The compound according to claim 1 wherein

one of Y and Y1 is hydrogen and the other is chosen from $-S(O)_nCF_3$, $-S(O)_n$-Alk,$-S(O)_2$Alk,- $SO_2CHF_2$, $-SO_2CF_2CF_3$ and $-SO_2NR5R6$, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH); or

b) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl.

6. The compound according to claim 1 wherein

one of Y and Y1 is hydrogen and the other is chosen from $-S(O)_nCF_3$, $-SO_2CHF_2$, $-SO_2CF_2CF_3$ and $-SO_2NR5R6$, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are such that one is hydrogen and the other is $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted by O, S or N-alk, always substituted with a hydroxamate (–CO-NHOH).

7. The compound according to claim 1 wherein

one of Y and Y1 is hydrogen and the other is chosen from $-S(O)_nCF_3$, $-SO_2CHF_2$ and $-SO_2CF_2CF_3$, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

8. The compound according to claim 1 wherein

all the alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl or heteroaryl are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, carboxyl which is free, salified, esterified with an alkyl radical or amidated with -NR11aR12a, -C(=O)-R9a,

-NR11aR12a, -C(=O)-NR11aR12a, -N(R10a)-C(=O)-R9a, -N(R10a)-C(=O)-OR8a, -N(R10a)-C(=O)-NR11aR12a, -N(R10a)-S(O)$_n$-R9a, -S(O)$_n$-R9a, -N(R10a)-S(O)$_n$-NR11aR12a or -S(O)$_n$-NR11aR12a, all the aryl and heteroaryl above furthermore being optionally substituted with an ethylenedioxy,

R8a is hydrogen, alkyl, alkenyl, phenyl, phenylalkyl, heteroaryl or heteroarylalkyl,

R9a is alkyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, phenyl, phenylalkyl, heteroaryl or heteroarylalkyl,

R10a is hydrogen or alkyl,

R11a and R12a, which may be identical or different, are hydrogen, alkyl, cycloalkyl, cycloalkylalkyl, phenyl, phenylalkyl, optionally substituted with one or more substituents, which may be identical or different, chosen from halogen, hydroxyl, $C_1$-$C_4$ alkyl and $C_1$-$C_4$ alkoxy, or R11a and R12a taken together with the nitrogen atom to which they are attached form, a cyclic radical chosen from pyrrolidyl, piperidyl, piperazinyl, morpholinyl, indolinyl, pyrindolinyl, tetrahydroquinolyl, thiazolidinyl and naphthyridyl, or a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

9. The compound according to claim 1 wherein p is 0.

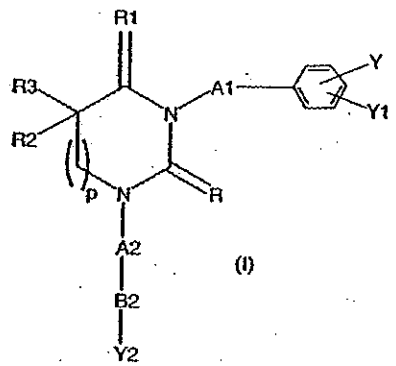
10. The compound according to claim 1 wherein p is 1.

11. The compound according to claim 1 wherein p is 2.

12. The compound according to claim 1 wherein R1 is O .

13. The compound according to claim 1 wherein R is O .

14. The compound of formula I:




(I)

wherein

p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, phenyl, phenylalkyl, heterocyclyl, heterocyclylalkyl, heteroaryl or heteroarylalkyl, which are optionally substituted, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or heterocyclyl, and the heterocyclyl contains one or more hetero atoms chosen from O, S, N and NR7b, all these radicals being optionally substituted,

all the above R2 and R3 radicals being optionally substituted with one or more radicals chosen from halogen, cyano, hydroxyl, alkyl and alkoxy containing 1 to 4 carbon atoms, $-CF_3$, nitro, phenyl, carboxyl which is free, salified, esterified with alkyl or amidated with -NR11bR12b, -C(=O)-R9b, -NR11bR12b and -C(=O)-NR11bR12b,

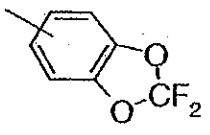
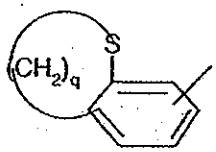
R7b is hydrogen, alkyl or phenyl,

R9b is hydrogen, alkyl, cycloalkyl, cycloalkylalkyl or phenyl,

R11b and R12b, which may be identical or different, are hydrogen, alkyl, cycloalkyl or phenyl, or R11b and R12b taken together with the nitrogen atom to which they are attached form, an optionally substituted piperazinyl ,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, -O-$CF_2$-$CHF_2$ , -O-$CHF_2$ , -O-$CH_2$-$CF_3$, -$SO_2$NR5R6, -$SF_5$ and -S(O)$_n$-alkyl and the other of Y and Y1 is $-OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, $SO_2$NR5R6, -$SF_5$, -S(O)$_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, -S(O)$_n$-alkenyl, -S(O)$_n$-alkynyl, -S(O)$_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted.

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$.

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2.

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -COOR13, -OCOR13, NR5R6, CONR5R6, $-S(O)_n$-NR5R6, -NR10-CO-R13, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or -NR10-COOR13, all of which are optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroarvl above contain not more than 10 carbon atoms,

all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, except for the radicals of R2 and R3, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, $-N(R10)-S(O)_n$-R8, $-S(O)_n$-R8, $-N(R10)-S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$-cycloalkyl, $C_1$-$C_4$-alkyl or phenyl optionally substituted with one or more substituents, which may be identical or different, selected from

the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or -S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2Alk$ or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

15. The compound according to claim 1 wherein R2 and R3, which may be identical or different, are chosen from hydrogen, alkyl, phenylalkyl, pyridylalkyl and benzothienylalkyl, which are optionally substituted with one or more radicals chosen from halogen, hydroxyl, alkyl and alkoxy containing from one to 4 carbon atoms, or R2 and R3 taken together with the carbon atom to which they are attached form a 3- to 6-membered cycloalkyl or heterocyclyl containing a nitrogen atom.

16. The compound according to claim 1 wherein R2 and R3, which may be identical or different, are chosen from hydrogen, alkyl, hydroxyalkyl, phenylalkyl, hydroxyphenylalkyl, pyridylalkyl or thienylbenzothienylalkyl, or R2 and R3 taken together with the carbon atom to which they are attached form a cycloalkyl radical containing from 3 to 6 carbon atoms or azetidinyl, pyrrolidyl or piperidyl

17. The compound according to claim 1 wherein R2 and R3, which may be identical or different, are chosen from hydrogen, alkyl, hydroxyalkyl, phenylalkyl and hydroxyphenylalkyl, or R2 and R3 taken together with the carbon atom to which they are attached form a cycloalkyl containing from 3 to 6 carbon atoms.

18. The compound according to claim 1 wherein one of R2 and R3 is chosen from hydrogen and alkyl, and the other R2 and R3 is chosen from among the broadest definitions of R2 and R3, or R2 and R3 taken together with the carbon atom to which they are attached form a cycloalkyl containing from 3 to 6 carbon atoms.

19. The compound according to claim 1 wherein R2 and R3, which may be identical or different, are hydrogen and alkyl, or R2 and R3 taken together with the carbon atom to which they are attached form a cycloalkyl containing from 3 to 6 carbon atoms.

20. The compound according to claim 1 wherein R2 and R3, which may be identical or different, are hydrogen and methyl, or R2 and R3 taken together with the carbon atom to which they are attached form cyclopropyl.

21. The compound according to claim 1 wherein A1 is single bond and A2 is chosen from single bond, a linear or branched alkyl containing not more than 6 carbon atoms and allyl, propynyl, C=O and $SO_2$ radicals, the other substituents of said compound of formula I are as defined in claim 1.

22. The compound according to claim 1 wherein A1 is single bond and A2 is chosen from single bond, alkyl, allyl, propynyl, C=O and $SO_2$.

23. The compound according to claim 1 wherein A1 is single bond and A2 is chosen from alkyl, allyl, propynyl, C=O and $SO_2$.

24. The compound according to claim 1 wherein A1 is single bond and A2 is alkyl or C=O.

25. The compound according to claim 1 wherein A1 is single bond and A2 is C=O, ethylene or methylene.

26. The compound according to claim 1 wherein A1 is single bond and A2 is methylene.

27. The compound according to claim 1 wherein Y and Y1 are such that one is hydrogen, halogen or amino and the other is chosen from $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SF_5$, $-S(O)_n-CF_3$, $-S(O)_n$-alk, $-SO_2CHF_2$, $-SO_2CF_2CF_3$, $-SO_2NH_2$, $-S-CF_2-CF_2-CF_3$, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-morpholino, -S-Alk-pyrrolidinyl and -S-Alk-piperazinyl, wherein the morpholino, pyrrolidinyl and piperazinyl are optionally substituted with Alk, in which Alk is alkyl containing from 1 to 4 carbon atoms.

28. The compound according to claim 1 wherein Y is hydrogen and Y1 is chosen from $-OCF_3$, $S(O)_n-CF_3$, $-S(O)_n-CH3$, $-SO_2CHF_2$ and $-SO_2NH_2$.

29. The compound according to claim 1 wherein Y is hydrogen and Y1 is chosen from $-OCF_3$, $-S(O)_n-CF_3$ and $-SO_2CHF_2$.

30. The compound according to claim 1 wherein Y is hydrogen and Y1 is chosen from $-OCF_3$ and $S(O)_n-CF_3$.

31. The compound according to claim 1 wherein Y is hydrogen and Y1 is chosen from $-OCF_3$, $S-CF_3$ and $S(O)2-CF_3$.

32. The compound according to claim 1 wherein B2 is monocyclic or bicyclic heteroaryl chosen from pyridyl, pyrimidinyl, quinolyl, azaindolyl, 1H-pyrrolo[2,3-b]pyridinyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl, isoxazolyl, morpholinyl, pyrrolidinyl, furyl, piperidyl, thienyl, chromenyl, oxochromenyl, indolyl, pyrrolyl, purinyl, benzoxazinyl, benzimidazolyl and benzofuranyl, which are optionally substituted with one or more radicals chosen from the definition of Y2.

33. The compound according to claim 1 wherein B2 is heteroaryl chosen from 3- or 4-pyridyl, 3- or 4-quinolyl, imidazolyl, thiazolyl, indolyl, pyrazolyl, pyrrolyl, pyrimidyl,

purinyl, benzoxazinyl, benzimidazolyl and benzofuranyl, which are optionally substituted with one or more radicals chosen from the definition of Y2.

34. The compound according to claim 1 wherein B2 is heteroaryl chosen from 4-pyridyl, 4-quinolyl, imidazolyl, thiazolyl, pyrazolyl, pyrrolyl, pyrimidyl and purinyl radicals, which are optionally substituted with one or more radicals chosen from the definition of Y2.

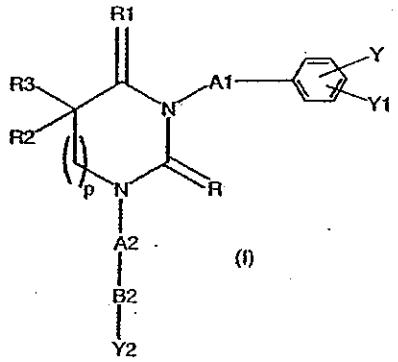
35. The compound according to claim 1 wherein B2 is heteroaryl chosen from 3- or 4-pyridyl, pyrimidinyl, 3- or 4-quinolyl, azaindolyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl and isoxazolyl, which are optionally substituted with one or more radicals chosen from the definition of Y2.

36. The compound according to claim 1 wherein B2 is heteroaryl chosen from 3- or 4-pyridyl, pyrimidyl, 3- or 4-quinolyl, azaindolyl and quinazolyl, which are optionally substituted with one or more radicals chosen from the definition of Y2.

37. The compound according to claim 1 wherein B2 is 4-pyridyl, 4-quinolyl or 1H-pyrrolo[2,3-b]pyrid-4-yl, which are optionally substituted with one or more radicals chosen from the definition of Y2.

38. The compound according to claim 1 wherein Y2 is 2-amino-4-pyridyl in which the amino is optionally substituted as indicated for the radical -NR5R6 as defined in claim 1.

39. The compound of formula I:




(I)

wherein

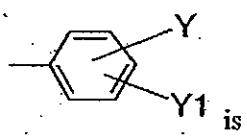
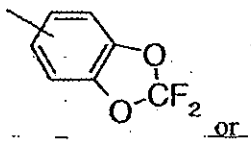
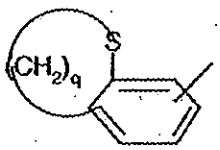
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, $-SO_2NR5R6$, $-SF_5$ and -S(O)$_n$-alkyl and the other of Y and Y1 is $-OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, $SO_2NR5R6$, $-SF_5$, -S(O)$_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, -S(O)$_n$-alkenyl, -S(O)$_n$-alkynyl, -S(O)$_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, -S(O)$_2$Alk, -S(O)$_2$Aryl, -S(O)$_2$heteroaryl or -S(O)$_2$NR5R6.

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, -COOH, -COOAlk, -CONR5R6, -NR5R6, -NR10-COOR6, –NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or –NR10-$SO_2$-R6, which are all optionally substituted,

R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, cycloalkyl, phenyl and 5- or 6-membered heteroaryl containing 1 to 3 hetero atoms chosen from O, N and S, which are all optionally substituted, or R5 and R6 taken together with the nitrogen atom to which they are attached form an optionally substituted pyrrolidinyl, piperidyl, piperazinyl, morpholinyl or quinazolinyl,

R10 is hydrogen or alkyl,

all the alkyl, alkoxy, cycloalkyl and phenyl of Y2, R5, R6 and R10, and also the ring formed by R5 and R6 with the atom to which they are attached, are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, cyano, hydroxyl, alkyl, alkoxy, $OCF_3$, $-CF_3$, $-S(O)_n-CF_3$, nitro, oxo, thioxo, -OCOAlk; and phenyl, which is optionally substituted with one or more radicals chosen from halogen, alkyl, alkoxy; -OCOAlk; $-NH_2$, -NHAlk, $-N(Alk)_2$, -N(alk)(phenylalkyl), -N(Alk)(aminoalkyl), -N(Alk)(alkylaminoalkyl), -N(Alk)(dialkylaminoalkyl), and carboxyl in free form or esterified with an alkyl,

all Y2, R5, and R6 phenyl are optionally substituted with alkylenedioxy,

all Y2, R5, R6, and R10 alkyl are optionally substituted with one or more saturated or partially unsaturated 4- to 7-membered heterocyclyl containing at least one nitrogen atom N and 0 to 2 other hetero atoms chosen from O, N and S,

all the pyrrolidinyl and quinazolinyl of Y2, R5, and R6 are optionally substituted with oxo or thioxo,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

except for the radicals of Y2, R5, R6 and R10, all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl and heteroaryl above, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$-R8, $-S(O)_n$-R8, -N(R10)-$S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

except for the radicals of Y2, R5, and R6, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for the radicals of Y2, R5, and R6, all the cyclic radicals above are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

all the alkyl, alkenyl, alkynyl and alkoxy being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl containing not more than 7 carbon atoms,

p is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or -S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

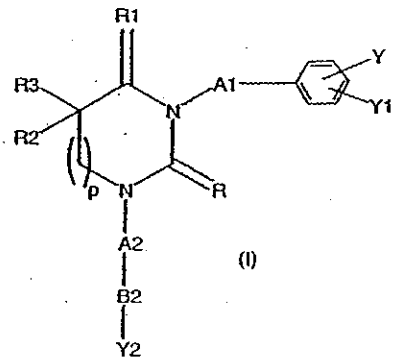
b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alkyl or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (-CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-Alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalky, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

40. The compound according to claim 1 wherein R5 and R6 are pyridyl, pyrazinyl, pyrimidinyl, thienyl, thiazolyl or oxazolyl, which are all optionally substituted.

41. The compound of formula I:



(I)

wherein

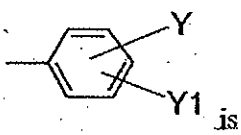
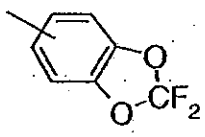
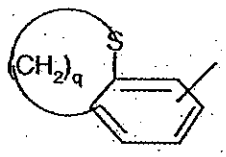
p is 0, 1 or 2.

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalky, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached from 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl.

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkeny, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, -$S(O)_2$Alk, -$S(O)_2$Aryl, -$S(O)_2$heteroaryl or -$S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, -$S(O)_n$-alkyl, -$S(O)_n$-alkenyl, -$S(O)_n$-alkynyl, -$S(O)_n$-cycloalkyl, -COOR13, -OCOR13, NR5R6, CONR5R6, -$S(O)_n$-NR5R6, -NR10-CO-R13, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or -NR10-COOR13, all of which are optionally substituted,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

all the alkyl above are optionally substituted with heterocyclyl chosen from thiomorpholin-4-yl, thiazolidin-3-yl, azetidin-1-yl, piperazinyl, imidazolyl, morpholinyl, pyrrolidinyl, piperidyl and azepanyl, all of which are optionally substituted with one or more radicals chosen from alkyl, hydroxyalkyl, oxo, pyridyl and phenyl optionally substituted with one or more radicals chosen from halogen, alkyl, hydroxyl, alkoxy, -CN, carboxyl or amino, which are themselves optionally substituted,

all the carbocyclyl, heterocyclyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$-R8, -$S(O)_n$-R8, -N(R10)-$S(O)_n$-NR11R12 and -$S(O)_n$-NR11R12,

all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl, or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

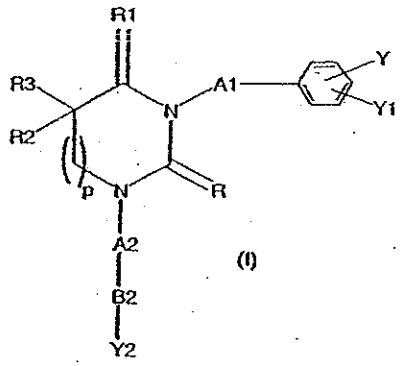
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$, -SO-Alk, -$S(O)_2$-alk or -$SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heteocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be indentical or different, are one is -$SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

42 The compound of formula I:




(I)

wherein

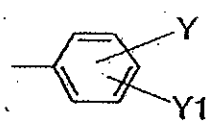
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

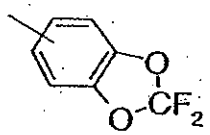
R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

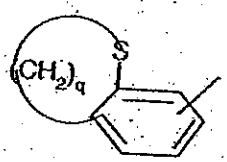
Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,




or the is




or




that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocylic or bicyclic heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, $-S(O)_2Alk$, $-S(O)_2Aryl$, $-S(O)_2$heteroaryl or $-S(O)_2NR5R6$,

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, -CONR5R6, -NR5R6, -NR10-COOH, -NR10-COOAlk, –NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or -NR10-$SO_2$-R6,

R5 and R6, which may be identical or different, are chosen from hydrogen; alkyl; cycloalkyl; phenyl; pyrimidinyl; thienyl; pyridyl; quinolyl; thiazolyl optionally substituted with one or two halogen; pyran optionally substituted with one or more -OCOAlk; phenyl substituted with one or more radicals chosen from halogen, alkyl, alkoxy, amino, alkylamino, dialkylamino and carboxyl in free form or esterified with an alkyl radical; alkyl substituted with phenyl, which is itself optionally substituted with one or more radicals chosen from halogen, alkyl, alkoxy, amino, alkylamino, dialkylamino, carboxyl in free form or esterified with an alkyl radical; alkyl substituted with piperazinyl, which is itself optionally substituted with one or more radicals chosen from Alk, Alk-OH and pyridyl; alkyl substituted with imidazolyl; alkyl substituted with one or more radicals chosen from -$NH_2$, -NHAlk, -N(Alk)$_2$, -N(alk)(phenylalkyl), -N(Alk)(aminoalkyl), -N(Alk)(alkylaminoalkyl) and -N(Alk)(dialkylaminoalkyl); alkyl substituted with morpholinyl optionally substituted with one or two Alk; alkyl substituted with pyrrolidinyl; alkyl substituted with piperidyl, which is itself optionally substituted with one or two Alk; alkyl substituted with thiomorpholinyl; alkyl substituted with azetidinyl; and alkyl substituted with azepanyl, which is optionally substituted with oxo,

or R5 and R6 taken together with the nitrogen atom to which they are attached form pyrrolidinyl; piperidyl; piperazinyl; morpholinyl; or quinazolinyl, all of which are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, alkyl, hydroxyl and alkoxy, and phenyl which is optionally substituted with one or more radicals chosen from halogen, alkyl and alkoxy,

the pyrrolidinyl and quinazolinyl are optionally substituted with oxo or thioxo,

the piperazinyl itself is optionally substituted with one or more radicals chosen from Alk, Alk-OH and pyridyl,

except for the radicals of Y2, R5, R6 and R10, all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-S(O)$_a$-R8, -S(O)$_a$-R8, -N(R10)-S(O)$_a$-NR11R12 and -S(O)$_a$-NR11R12,

except for the radicals of Y2, R5, and R6, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for the radicals of Y2, R5, and R6, all the cyclic radicals above, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

R10 is hydrogen or alkyl,

all alkyl, Alk, alkenyl, alkynyl and alkoxy above being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl containing not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

all the phenyl of Y2, R5, and R6 are optionally substituted with a radical chosen from $-CF_3$, $-OCF_3$, nitro and alkylenedioxy

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

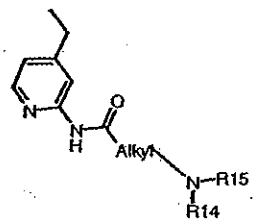
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or -S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

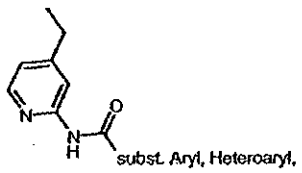
b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alkyl or $-SO_2NH_2$. A2 is CH2 and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (-CO-NHOH);

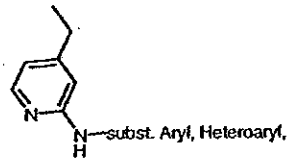
c) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-Alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalky, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2Alk$ or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

43. The compound according to claim 1 in which –A2-B2-Y2 is selected from the following radicals:



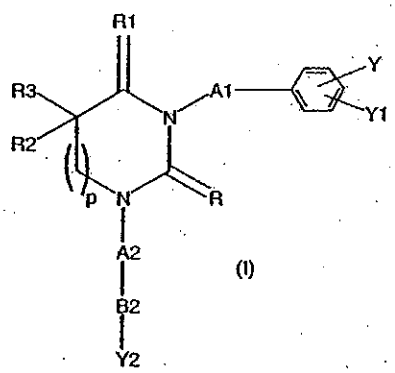




;

wherein NR14R15 is defined as -NR5R6 and the definition for Alkyl, Aryl and Heteroaryl are chosen from the values of the alkyl, aryl and heteroaryl as defined in claim 1 and optionally substituted as defined in claim 1.

44. The compound according to claim 1 wherein B2 is selected from the group consisting of 4-pyridyl and 4-quinolyl, which are optionally substituted with one or more radicals chosen from the definition of Y2.

45. The compound of formula I:




(I)

wherein

p is 0, 1 or 2,

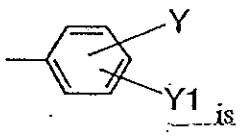
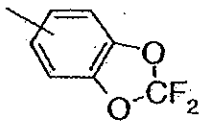
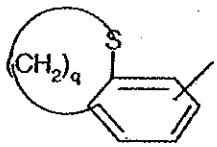
R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to

10-membered carbocyclyl or 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $-SO_2NR5R6$, $-SF_5$ and $-S(O)_n$-alkyl and the other of Y and Y1 is $-OCF_3$, $-O-CF_2-CHF_2$, $-O-CHF_2$, $-O-CH_2-CF_3$, $SO_2NR5R6$, $-SF_5$, $-S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, $-CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl contaning one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acy, $-S(O)_2$Alk, $-S(O)_2$Aryl, $-S(O)_2$ heteroaryl or $-S(O)_2NR5R6$,

Y2 is V1, halogen, hydroxyl, $-C(=NH)NH_2$, OV1, O-CO-V1, COOV1, COV1, CO-NV1V2, -NV1V2, -NH-CO-V1, -NH-COO-V1, -NH-NH-CO-V1, -NV1-CO-NV1V2, -NV1-CO-NHV1, -NH-CO-NHV1, $-NH-SO_2-NHV1$ and $-NH-SO_2-V1$,

in which V1 and V2, which may be identical or different, are hydrogen, alkyl, cycloalkyl or phenyl or heterocyclyl,

all the alkyl, phenyl and heterocyclyl of V1 and V2 being optionally substituted with one or more radicals chosen from halogen, hydroxyl, alkyl, alkoxy, $-CF_3$, $NH_2$, NH-alk, $N(Alk)_2$ and phenyl, itself optionally substituted with one or more substituents chosen from halogen, hydroxyl and alkoxy radicals,

all the phenyl and heterocyclyl of V1 and V2 are optionally substituted with one or more alkyl,
the phenyl of V1 and V2 is optionally substituted with –NR5R6,
all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,
all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,
all the aryl and heteroaryl above contain not more than 10 carbon atoms,
except for V1 and V2, all the carbocyclyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$–R8, -$S(O)_n$-R8, -N(R10)-$S(O)_n$–NR11R12 and –$S(O)_n$-NR11R12.
except for V1 and V2, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,
except for V1 and V2, all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,
n is 0 to 2,
R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylakly, aryl, arylalkyl, heteroaryl and heteroarylalkyl,
R9 is defined as R8 or is hydrogen,
R10 is hydrogen or alkyl,
R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,
or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one more more hetero atoms chosen from O, S, N and NR7, and
R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or
a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,
with the proviso;

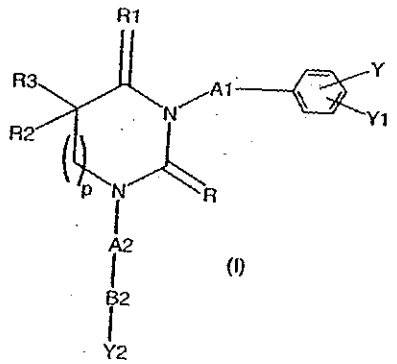
a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is –$OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is –$OCF_3$, -SO-Alk, -$S(O)_2$-alk or –$SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (-CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is:–$S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is –$SO_2$Alk or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen,

46. The compound of formula I;




(I)

wherein

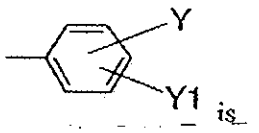
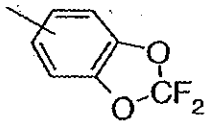
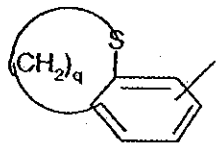
p is 0, 1 or 2,

R and R1, which may be identical or different, are O or NH,

R2 and R3, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl aryl and heteroaryl, or R2 and R3 taken together with the carbon atom to which they are attached form 3- to 10-membered carbocyclyl or 3-10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A1 is single bond, alkyl, alkenyl or alkynyl,

Y and Y1, which may be identical or different, are such that one of Y and Y1 is -$OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, -$SO_2NR5R6$, -$SF_5$ and -$S(O)_n$-alkyl and the other of Y and Y1 is -$OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, $SO_2NR5R6$, -$SF_5$, -$S(O)_n$-alkyl, hydrogen, halogen, hydroxyl, alkoxy, nitro, -CN, -NR5R6, alkyl, aryl, heteroaryl, -$CF_3$, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, -$S(O)_n$-alkenyl, -$S(O)_n$-alkynyl, -$S(O)_n$-cycloalkyl, -CONR5R6, or free, salified or esterified carboxyl,

or the  is  or 

that is optionally substituted with one or more alkyl that are optionally substituted,

q is 2, 3 or 4,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen from O, S, N and NR7,

A2, which may be identical to or different from A1, is defined as A1 or is CO or $SO_2$,

B2 is a saturated or unsaturated 3- to 10-membered monocyclic or bicyclic heterocyclyl contaning one or more hetero atoms chosen from O, S, N and NR7 that is optionally substituted with one or more identical or different substituents defined as Y2,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acyl, -$S(O)_2$Alk, -$S(O)_2$Aryl, - $S(O)_2$ heteroaryl or-$S(O)_2NR5R6$,

Y2 is hydrogen, halogen, alkyl, cycloalkyl, hydroxyl, alkoxy, carboxyl which is free or esterified with an alkyl or phenyl, -$NH_2$, -NHalk, -$N(Alk)_2$ or phenyl,

all the Y2 alkyl, alkoxy and phenyl are optionally substituted with one or more radicals chosen from halogen, hydroxyl, $C_1$-$C_4$ alkyl, $C_1$-$C_4$ alkoxy, -$CF_3$, -$NH_2$, -NH-alk, $N(Alk)_2$ and phenyl, which is itself optionally substituted with one or more substituents chosen from halogen, hydroxyl and alkoxy,

all the Y2 phenyl are optionally substituted with one or more $C_1$-$C_4$ alkyl and optionally substituted with -NR5R6,

all the alkyl, alkenyl, alkynyl and alkoxy above are linear or branched and contain not more than 6 carbon atoms,

all the cycloalkyl and heterocyclyl above contain not more than 7 carbon atoms,

all the aryl and heteroaryl above contain not more than 10 carbon atoms,

except for Y2, all the carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, aryl and heteroaryl above and also the ring formed by R5 and R6 with the nitrogen atom to which they are

attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-S(O)$_n$-R8, -S(O)$_n$-R8, -N(R10)-S(O)$_n$-NR11R12 and –S(O)$_n$-NR11R12,

except for Y2, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy and alkylenedioxy,

except for Y2, all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

n is 0 to 2,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl or pheny, optionally substituted with one ore more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, phenyl, and free, salified, esterified or amidated carboxyl,

or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosen from O, S, N and NR7, and

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof,

with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heteocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -$OCF_3$, -SO-Alk, -S(O)$_2$-alk or -$SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heteocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH);

c) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is -S(O)$_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-

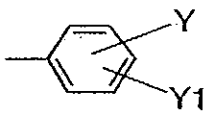
membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl; or

d) when p is 0 to 2, R and R1 are oxygen, A1 is single bond, Y and Y1, which may be identical or different, are one is $-SO_2Alk$ or $SO_2NH_2$ and the other is NR5R6, A2 is single bond or alkylene and B2 is optionally substituted 5- to 10-membered heterocyclyl, then R2 and R3 are not both hydrogen.

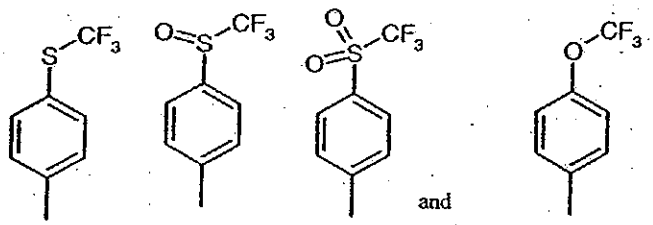
47. The compound according to claim 1 wherein Y2 is hydrogen, F, Cl, $-CH_3$, $-CH_2CH_3$, -OH, $-OCH_3$, $-NH_2$, -NH-Alk and phenyl optionally substituted with -NR5R6 in which R5 and R6 are as defined in claim 1.

48. The compound according to claim 1 wherein B2 is selected from 4-pyridyl and 4-quinolyl substituted with one or two radicals chosen from F, Cl, -OH and $-OCH_3$.

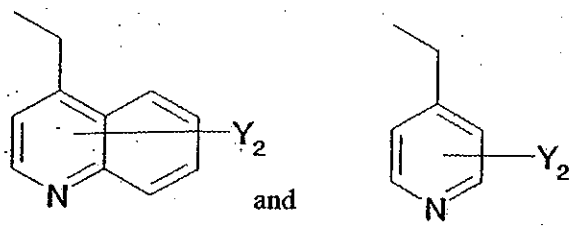
49. The compound according to claim 1 wherein




is selected from the group consisting of:

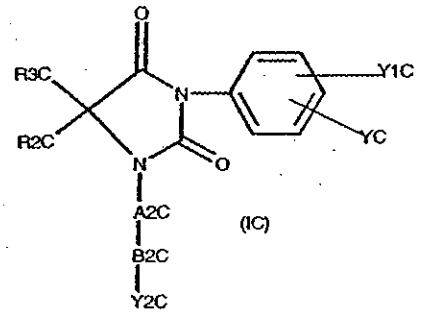



50. The compound according to claim 1 wherein –A2-B2-Y2 are selected from the following radicals:



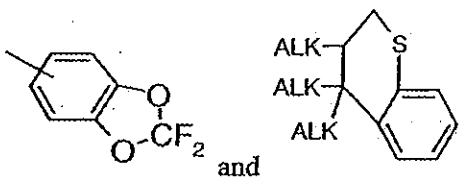

51. The compound according to claim 1 wherein R2 and R3 form together a cycloalkyl or heterocyclyl, or identical or different, are hydrogen or methyl.

52. The compound of formula (IC) :




in which YC and Y1C are such that one is hydrogen, halogen, or amino and the other is chosen from -$OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, -$SF_5$, -$S(O)_n$-$CF_3$, -$S(O)_n$-alk, -$SO_2CHF_2$, $SO_2CF_2CF_3$, -$SO_2NH_2$, -S-$CF_2$-$CF_2$-$CF_3$, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-morpholino, -S-Alk-pyrrolidyl and -S-Alk-piperazinyl, the morpholino, pyrrolidyl and piperazinyl are optionally substituted with Alk, with Alk being alkyl containing from 1 to 4 carbon atoms,

or the phenyl thereof with its substituents YC and Y1C forms one of the two following radicals:




and

R2C and R3C, which may be identical or different, are hydrogen or optionally substituted alkyl, or R2C and R3C taken together with the carbon atom to which they are attached form, a $C_3$-$C_{10}$ cycloalkyl or heterocyclyl,

A2C is single bond or $CH_2$,

B2C is pyridyl, pyrimidyl, quinolyl, azaindolyl, quinazolyl, thiazolyl, imidazolyl, pyrazolyl, furazanyl, isoxazolyl, morpholinyl, pyrrolidyl, furyl, piperidyl, chromenyl, oxochromenyl, quinazolyl, thienyl, indolyl, pyrrolyl, purinyl, benzoxazinyl, benzimidazolyl or benzofuryl, that are optionally substituted with one or more radicals chosen from the definition of Y2C,

Y2C is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, phenyl, -COOH, -COOAlk, -CONR5R6, -NR5R6, -NR10-COOH, -NR10-COOAlk, –NR10-CO-R6, -NR10-CS-NR5R6, -NR10-CO-NR5R6 or –NR10-$SO_2$-R6, all these radicals are optionally substituted,

R5 and R6, which may be identical or different, are chosen from hydrogen, alkyl, cycloalkyl, phenyl, pyrimidyl, thienyl, pyridyl, quinolyl, thiazolyl and pyran, all these radicals are optionally substituted, or R5 and R6 taken together with the nitrogen atom to which they are attached form optionally substituted pyrrolidyl, piperidyl, piperazinyl, morpholinyl or quinazolinyl,

R10 is hydrogen or alkyl,

all the alkyl, Alk or ALK, alkoxy, cycloalkyl and phenyl radicals , and also the ring formed by R5 and R6 with the atom to which they are attached, are optionally substituted with one or more radicals, which may be identical or different, chosen from halogen, cyano, hydroxyl, alkyl, alkoxy, $-OCF_3$, $-CF_3$, $-S(O)_n-CF_3$, nitro, oxo, thioxo, -OCOAlk, and phenyl, itself optionally substituted with one or more radicals chosen from halogen, alkyl, alkoxy; -OCOAlk; $-NH_2$, -NHAlk, $-N(Alk)_2$, -N(alk)(phenylalkyl), -N(Alk)(aminoalkyl) -N(Alk)(alkylaminoalkyl), -N(Alk)(dialkylaminoalkyl); carboxyl in free form or esterified with alkyl,

all the phenyl are optionally substituted with alkylenedioxy,

all the alkyl are optionally substituted with one or more radicals chosen from piperazinyl, itself optionally substituted with Alk, Alk-OH and pyridyl; imidazolyl; morpholinyl; pyrrolidyl; piperidyl, itself optionally substituted with one or two alk; azepanyl optionally substituted with oxo,

all the pyrrolidyl and quinazolinyl are optionally substituted with oxo or thioxo,

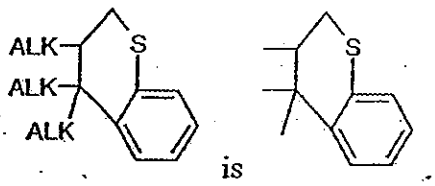
all the alkyl and alkoxy being linear or branched and containing not more than 6 carbon atoms,

all the cycloalkyl containing not more than 7 carbon atoms, and

n is 0 to 2, or

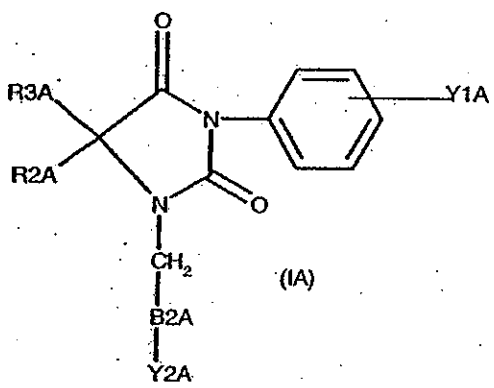
a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

53. The compound according to claim 52 wherein the radical




is

54. The compound of formula (IA):




(IA)

in which:

Y1A is $-OCF_3$, $-S(O)_n-CF_3$ and $-SO_2CHF_2$,

B2a is 4-quinolyl and 4-pyridyl optionally substituted with one or more radicals chosen from the definition of Y2A,

Y2A is defined as Y2,

R2A and R3A, which may be identical or different, are hydrogen or optionally substituted alkyl, or R2A and R3A taken together with the carbon atom to which they are attached form a $C_3$-$C_{10}$ cycloalkyl or heterocyclyl,

all the alkyl and phenyl above are optionally substituted with one or more radicals chosen from halogen, -OH, alk, -O-alk, $-OCF_3$, $-S(O)_n-CF_3$, $-CF_3$, $-NH_2$, -NH-Alk and $-N(Alk)_2$, and

Y2 is hydrogen, halogen, hydroxyl, cyano, alkyl, alkoxy, cycloalkyl, heterocyclyl, aryl, heteroaryl, -O-alkenyl, -O-alkynyl, -O-cycloalkyl, $-S(O)_n$-alkyl, $-S(O)_n$-alkenyl, $-S(O)_n$-alkynyl, $-S(O)_n$-cycloalkyl, -COOR13, -OCOR13, NR5R6, CONR5R6, $-S(O)_n$-NR5R6, -NR10-CO-R13, -NR10-$SO_2$-R13, NH-$SO_2$-NR5R6, -NR10-CO-NR5R6, -NR10-CS-NR5R6 or –NR10-COOR13, all of which are optionally substituted,

R5 and R6, which may be identical or different, are hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl or heteroaryl, or R5 and R6 taken together with the nitrogen atom to which they are attached form 3- to 10-membered heterocyclyl containing one or more hetero atoms chosen form O, S, N and NR&,

R7 is hydrogen, alkyl, cycloalkyl, phenyl, acy, $-S(O)_2$Alk, $-S(O)_2$Aryl, $-S(O)_2$ heteroaryl or $-S(O)_2$NR5R6

except for Y1A, B2a, R2A and R3A, all carbocyclyl, heterocyclyl, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, heterocyclyl, aryl and heteroaryl above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, -$CF_3$, nitro, aryl, heteroaryl, -C(=O)-OR9, -C(=O)-R8, -NR11R12, -C(=O)-NR11R12, -N(R10)-C(=O)-R8, -N(R10)-C(=O)-OR9, -N(R10)-C(=O)-NR11R12, -N(R10)-$S(O)_n$-R8, $-S(O)_n$-R8, -N(R10)-$S(O)_n$-NR11R12 and $-S(O)_n$-NR11R12,

except for B2a, all the aryl and heteroaryl above are optionally substituted with one or more substituents selected from the group consisting of alkyl, alkocy and alkylenedioxy,

except for B2a, R2A and R3A, all the cyclic radicals above, and also the ring formed by R5 and R6 with the nitrogen atom to which they are attached, are optionally substituted with one or more substituents selected from the group consisting of oxo and thioxo,

R8 is alkyl, alkenyl, cycloalkyl, cycloalkyl, heterocyclyl, heterocyclylalkyl, aryl, arylalkyl, heteroaryl and heteroarylalkyl,

R9 is defined as R8 or is hydrogen,

R10 is hydrogen or alkyl,

R11 and R12, which may be identical or different, are hydrogen, $C_3$-$C_6$ cycloalkyl, $C_1$-$C_4$ alkyl, or phenyl, optionally substituted with one or more substituents, which may be identical or different, selected from the group consisting of halogen, cyano, hydroxyl, alkoxy, $-CF_3$ nitro, phenyl, and free, salified, esterified or amidated carboxyl,

Or R11 and R12 taken together with the nitrogen atom to which they are attached form 5- to 7-membered cyclic radical containing one or more hetero atoms chosenf rom O, S, N and NR7,

R13, which may be identical to or different to R5 or R6, is defined as R5 or R6, and

n is 0 to 2, or a racemic, enantiomeric or diastereoisomeric isomer form of said compound, or an additio salt with a mineral or organic acid or with a mineral or organic base thereof

55. The compound according to claim 54 wherein Y1A, B2a, R2A and R3A are as defined in claim 54 and Y2A is halogen, -OH, -alk, -Oalk, -Oacyl, -NR5AR6A, -CO2H, -CO2alk, -CO--NR5AR6A, $-S(O)_n-CF_3$, $-NH-S(O)_n-CF_3$ or phenyl, alk is a linear or branched alkyl radical containing not more than 6 carbon atoms, all the alkyl, alkoxy and phenyl are optionally substituted,

R5A and R6A, which may be identical or different, are hydrogen, alkyl, cycloalkyl or phenyl, the alkyl and phenyl are optionally substituted, or R5A and R6A taken together with the nitrogen atom to which they are attached form cyclic radical chosen from pyrrolidyl, piperidyl, piperazinyl, morpholinyl, indolinyl, pyrindolinyl, tetrahydroquinolyl and azetidinyl,

all the alkyl, alkoxy and phenyl are optionally substituted with one or more radicals chosen from halogen, -OH, alk, -Oalk, $-OCF_3$, $-S(O)_n-CF_3$, $-CF_3$, $-NH_2$, -NH-Alk and $-N(Alk)_2$, and

n is 0 to 2, or

a racemic, enantiomeric or diastereoisomeric isomer form of said compound, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof

56. The compound according to claim 54 wherein

Y1A is $-OCF_3$, $SCF_3$ or S(O)2-$CF_3$,

B2a is a 4-quinolyl or 4-pyridyl radical optionally substituted with one or two radicals chosen from halogen, -OH, alk, -Oalk, -CO2H, -CO2alk, -NR5AR6A, $-CF_3$, $-OCF_3$ and optionally substituted phenyl,
R5A and R6A, which may be identical or different, are hydrogen, alkyl, cycloalkyl or phenyl, the alkyl and phenyl radicals being optionally substituted,
or R5A and R6A taken together with the nitrogen atom to which they are attached form, a cyclic radical chosen from pyrrolidyl, piperidyl, piperazinyl, morpholinyl, piperazinyl and azetidinyl radicals,
R2A and R3A, which may be identical or different, are hydrogen or optionally substituted alkyl, or R2A and R3A taken together with the carbon atom to which they are attached form, a C3-C6 cycloalkyl or heterocyclyl radical,
all the alkyl and phenyl radicals being optionally substituted with one or more radicals chosen from halogen, OH, alk, Oalk, $OCF_3$, $S(O)_n$-$CF_3$, $-CF_3$, $NH_2$, NHalk and $N(Alk)_2$, or

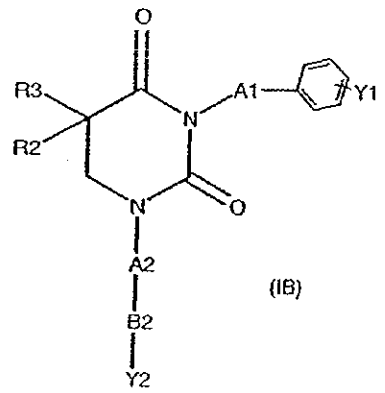
a racemic, enantiomeric or diastereoisomeric isomer form of said compound, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof

57. The compound according to claim 54 wherein
Y1A is $-OCF_3$, $-SCF_3$ or $-S(O)_2-CF_3$,
B2a is 4-quinolyl or 4-pyridyl optionally substituted with one or two radicals chosen from halogen, -OH, alk and -Oalk, and
R2A and R3A, which may be identical or different, are hydrogen or linear or branched alkyl containing not more than 4 carbon atoms optionally substituted with hydroxyl, or R2A and R3A taken together with the carbon atom to which they are attached form a $C_3$-$C_6$ cycloalkyl, or

a racemic, enantiomeric or diastereoisomeric isomer form of said compound, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof

58. The compound according to claim 54 wherein Y1a is $-OCF_3$, $-SCF_3$ or $-S(O)_2CF_3$, and R2A and R3A, which may be identical or different, are hydrogen or CH3, or R2A and R3A taken together with the carbon atom to which they are attached form cyclopropyl, or a diastereoisomeric isomer form of said compound, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

59. The compound according to claim 1 corresponding to formula (IB):



(IB)

in which R2, R3, A1, Y, Y1, A2, B2 and Y2 are as defined in claim 1,

or a diastereoisomeric isomer form of said compound, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof

60. The compound according to claim 59 wherein Y1 is $-OCF_3$, $-SCF_3$ or $-S(O)_2CF_3$ and R2 and R3, which may be identical or different, are hydrogen or $-CH_3$, or R2 and R3 taken together with the carbon atom to which they are attached form cyclopropyl, or a diastereoisomeric isomer form of said compound, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

61. A compound selected from the group consisting of:

(S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(S)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(S)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-methyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-4-methyl-3-quinol-4-ylmethyl-5-thioxo-1-(4-trifluoromethylsulfanylphenyl)imidazolidin-2-one trifluoroacetate;

(R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-isopropyl-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-(4-hydroxybenzyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-(4-hydroxybenzyl)-1-pyrid-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

(R)-5-(1-hydroxyethyl)-1-quinol-4-ylmethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

4-quinol-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-quinol-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-pyrid-4-ylmethyl-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-pyrid-4-ylmethyl-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

(R)-1-(3-hydroxypyrid-4-ylmethyl)-5-methyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate ;

5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate ;

5,5-dimethyl-1-quinol-4-ylmethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate ;

5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

5,5-dimethyl-1-(3-methylpyrid-4-ylmethyl)-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate ;

1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethoxyphenyl)imidazolidine-2,4-dione trifluoroacetate ;

1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate ;

1-(3-hydroxypyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethanesulfonylphenyl)imidazolidine-2,4-dione trifluoroacetate;

4-quinol-4-ylmethyl-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-(3-methylpyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate ;

4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethoxyphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethylsulfanylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate ;

4-(3-hydroxypyrid-4-ylmethyl)-6-(4-trifluoromethanesulfonylphenyl)-4,6-diazaspiro[2.4]heptane-5,7-dione trifluoroacetate;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}cyclopropanecarboxamide trifluoroacetate;

5,5-dimethyl-1-[2-(pyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione; compound with trifluoroacetic acid;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}isobutyramide; compound with trifluoroacetic acid;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide; compound with trifluoroacetic acid;

1-(2-aminopyrid-4-ylmethyl)-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione hydrochloride;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}pyridine-2-carboxamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-piperid-1-ylpropionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-[4-(2-hydroxyethyl)piperazin-1-yl]propionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-morpholin-4-ylpropionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-pyrrolidin-1-ylpropionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-methylpiperazin-1-yl)propionamide trifluoroacetate;

1-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-phenylurea;

1-[2-(6-ethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(4-methylpyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(6-methylpyrid-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imi-dazolidine-2,4-dione;

1-[2-(4,6-dimethylpyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione;

1-[2-(3,5-dichloropyrid-2-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(pyrid-4-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(pyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(2-oxoazepan-1-yl)propionamide;

3-(benzylmethylamino)-N-{4-[5,5-dimethyl-2,4-di-oxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide;

4,5-diacetoxy-6-acetoxymethyl-2-(3-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanyl-phenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thioureidoacetic acid;

5,5-dimethyl-1-[2-(5-methylpyrid-2-ylamino)pyri-din-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3,5-dimethoxybenzamide trifluoroacetate;

5,5-dimethyl-1-[2-(pyrazin-2-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(3–methylpiperid-1-yl)propionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(3,5-dimethylpiperid-1-yl)propionamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-methoxybenzamide trifluoroacetate;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}pyrazine-2-carboxamide trifluoroacetate;

{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}thiophene-2-carboxamide trifluoroacetate;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-4–methylbenzamide; compound with trifluoroacetic acid;

1-isoquinolin-5-yl-5,5-dimethyl-3-(4-trifluoro-methylsulfanylphenyl)imidazolidine-2,4-dione;[[;]]

3-(4-acetylpiperazin-1-yl)-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide;

3-[4-(2-diethylaminoethyl)piperazin-1-yl]-N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}propionamide;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(2,6-dimethylmorpholin-4-yl)propionamide;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-3-(4-pyrrolidin-1-ylpiperid-1-yl)propionamide;

N-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-yl}-2-(4-pyrrolidin-1-ylpiperid-1-yl)acetamide;

5,5-dimethyl-1-[2-(4–methylpyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

5,5-dimethyl-1-[2-(6-morpholin-4-ylpyrid-3-ylamino)pyrid-4-ylmethyl]-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

1-[2-(2,6-dimethylpyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

methyl 5-{4-[5,5-dimethyl-2,4-dioxo-3-(4-trifluoromethylsulfanylphenyl)imidazolidin-1-ylmethyl]pyrid-2-ylamino}pyridine-2-carboxylate;

1-[2-(2,6-dimethoxypyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione;

1-[2-(6-fluoropyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)-imidazolidine-2,4-dione; and

1-[2-(6-methoxypyrid-3-ylamino)pyrid-4-ylmethyl]-5,5-dimethyl-3-(4-trifluoromethylsulfanylphenyl)imidazolidine-2,4-dione, or

a racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof.

62. A pharmaceutical composition comprising a pharmaceutically effective amount of a compound according to claim 1 and a pharmaceutically acceptable adjuvant.

63. The use of a composition comprising a protein kinase and the compound according to claim 1 in the manufacture of a medicament for inhibiting the activity of a protein kinase.

64. The use of a physciologically effective amount of the compound according to claim 1 in the manufacture of a medicament for treating a patient suffering from or subject to a physiological condition that can be ameliorated by a protein kinase inhibitor.

65. The use according to claim 64 wherein the protein kinase is chosen from the following group: EGFR, Fak, FLK-1, FGFR1, FGFR2, FGFR3, FGFR4, FGFR5, flt-1, IGF-1R, KDR, PLK, PDGFR, tie2, VEGFR, AKT, Raf.

66. The use according to claim 65 wherein the protein kinase is IGF1R.

67. The use according to claim 65 wherein the protein kinase is FAK.

68. The use according to claim 65 wherein the protein kinase is AKT.

69. The use according to claim 63 wherein the protein kinase is in a cell culture.

70. The use according to claim 63 wherein the protein kinase is in a mammal.

71. The use according to claim 64 wherein the physiological disorder is characterized by deregulation of the activity of a protein kinase.

72. The use according to claim 64 wherein the physiological disorder to be treated is in a mammal.

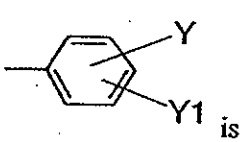
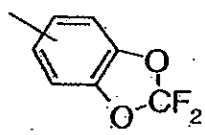
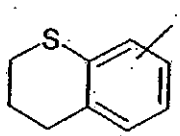
73. The use according to claim 64 wherein the physiological disorder belongs to the following group: disorders of blood vessel proliferation, fibrotic disorders, disorders of mesangial cell proliferation, metabolic disorders, allergies, asthma, thrombosis, diseases of the nervous system, retinopathy, psoriasis, rheumatoid arthritis, diabetes, muscle degeneration, oncology diseases and cancer.

74. The use according to claim 64 wherein the physiological disorder is a cancer of solid tumors or a cancer that is resistant to cytotoxic agents.

75. The use according to claim 64 wherein the treating is directed to cancers selected from breast cancer, stomach cancer, cancer of the colon, lung cancer, cancer of the ovaries, cancer of the uterus, brain cancer, cancer of the kidney, cancer of the larynx, cancer of the lymphatic system, cancer of the thyroid, cancer of the urogenital tract, cancer of the tract including the seminal vesicle and prostate, bone cancer, cancer of the pancreas and melanomas.

76. The compound according to claim 1 wherein

Y and Y1, which may be identical or different, are such that one of Y and Y1 is selected from the group consisting of $OCF_3$, -O-$CF_2$-$CHF_2$, -O-$CHF_2$, -O-$CH_2$-$CF_3$, -S(O)$_n$$CF_3$, -S-$CF_2$-$CF_2$-$CF_3$, -S(O)$_n$-alk, -S-Alk-O-Alk, -S-Alk-OH, -S-Alk-CN, -S-Alk-heterocyclyl, -$SO_2CHF_2$, -$SO_2CF_2CF_3$, -$SO_2$NR5R6 and -$SF_5$, in which Alk is alkyl containing from 1 to 4 carbon atoms, and the other of Y and Y1 is chosen from the group consisting of hydrogen, halogen, nitro, -NR5R6, free or esterified carboxyl, and -CONR5R6,

or the  is  or 

being optionally substituted with one or more alkyl, which are themselves optionally substituted, or a

racemic, enantiomeric or diastereoisomeric isomer form of the compound of formula I, or an addition salt with a mineral or organic acid or with a mineral or organic base thereof, with the proviso:

a) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$ or –S-alk, A2 is single bond or alkyl and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other imidazolylalkyl;

b) when p is 0, R and R1 are oxygen, A1 is single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-OCF_3$, -SO-Alk, $-S(O)_2$-alk or $-SO_2NH_2$, A2 is $CH_2$ and B2 is an optionally substituted heterocyclyl, then R2 and R3 are not one hydrogen and the other alkyl optionally interrupted with O, S or N-alk; always substituted with a hydroxamate (–CO-NHOH); or

c) when p is 0, R and R1 are oxygen, A1 is a single bond or alkyl, Y and Y1, which may be identical or different, are at least one is $-S(O)_n$-alk, A2 is single bond and B2 is an optionally substituted 5- or 6-membered aromatic heterocyclyl, then R2 and R3 are not selected from the group consisting of hydrogen, alkyl, arylalkyl, aryl and heteroaryl.