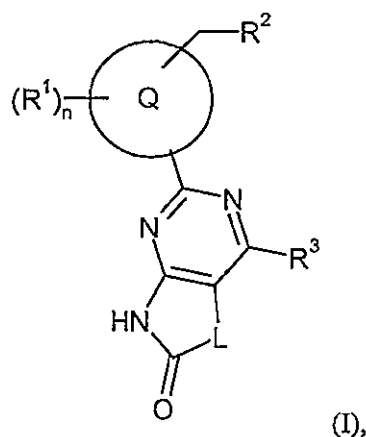


Patent claims

1. Compounds of general formula (I)



in which

5 L stands for a group $\#^1\text{CR}^{7A}\text{R}^{7B}-(\text{CR}^{8A}\text{R}^{8B})_m\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

$\#^2$ stands for the point of attachment to the pyrimidine ring,

m stands for a number 0, 1 or 2,

10 R^{7A} stands for hydrogen, fluorine, $(\text{C}_1\text{-C}_4)$ -alkyl, hydroxyl or amino,

in which $(\text{C}_1\text{-C}_4)$ -alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, trifluoromethyl, hydroxy, hydroxycarbonyl, $(\text{C}_1\text{-C}_4)$ -alkoxycarbonyl and amino,

15 R^{7B} stands for hydrogen, fluorine, difluoromethyl, trifluoromethyl, $(\text{C}_1\text{-C}_6)$ -alkyl, $(\text{C}_1\text{-C}_4)$ -alkoxycarbonylamino, cyano, $(\text{C}_3\text{-C}_7)$ -cycloalkyl, difluoromethoxy, trifluoromethoxy, phenyl or a group of formula $-\text{M}-\text{R}^{13}$,

20 in which $(\text{C}_1\text{-C}_6)$ -alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, cyano, trifluoromethyl, $(\text{C}_3\text{-C}_7)$ -cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, $(\text{C}_1\text{-C}_4)$ -alkoxy, hydroxycarbonyl, $(\text{C}_1\text{-C}_4)$ -alkoxycarbonyl and amino,

and in which

M stands for a bond or (C₁-C₄)-alkanediyl,

R¹³ stands for -(C=O)_r-OR¹⁴, -(C=O)_r-NR¹⁴R¹⁵, -C(=S)-NR¹⁴R¹⁵,
 -NR¹⁴-(C=O)-R¹⁷, -NR¹⁴-(C=O)-NR¹⁵R¹⁶, -NR¹⁴-SO₂-NR¹⁵R¹⁶,
 -NR¹⁴-SO₂-R¹⁷, -S(O)_s-R¹⁷, -SO₂-NR¹⁴R¹⁵, 4- to 7-membered
 heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

in which

r denotes the number 0 or 1,

s denotes the number 0, 1 or 2,

R¹⁴, R¹⁵ and R¹⁶ each stand, independently of one another, for
 hydrogen, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, 4- to
 7-membered heterocyclyl, phenyl or 5- or 6-
 membered heteroaryl,

or

R¹⁴ and R¹⁵ form, together with the respective atom(s) to which
 they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered
 heterocycle can be substituted with 1 or 2
 substituents selected independently of one another
 from the group cyano, trifluoromethyl, (C₁-C₆)-
 alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy,
 trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino,
 mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-
 alkylamino,

or

R¹⁵ and R¹⁶ form, together with the respective atom(s) to which
 they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered
 heterocycle can be substituted with 1 or 2
 substituents selected independently of one another

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from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

R¹⁷ stands for (C₁-C₆)-alkyl or (C₃-C₇)-cycloalkyl,

or

R¹⁴ and R¹⁷ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

and

in which for their part the 4- to 7-membered heterocyclyl, phenyl and 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group halogen, cyano, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, oxo, thiooxo and (C₁-C₄)-alkoxy,

and

in which the aforementioned (C₁-C₄)-alkyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₇)-cycloalkyl and 4- to 7-membered heterocyclyl groups, unless stated otherwise, can in each case be further substituted independently of one another with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl,

hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl, amino, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

or

5 R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a (C₂-C₄)-alkenyl group, an oxo group, a 3- to 6-membered carbocycle or a 4- to 7-membered heterocycle,

10 in which the 3- to 6-membered carbocycle and the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine and (C₁-C₄)-alkyl,

R^{8A} stands for hydrogen, fluorine, (C₁-C₄)-alkyl or hydroxy,

R^{8B} stands for hydrogen, fluorine, (C₁-C₄)-alkyl or trifluoromethyl,

the ring Q stands for 8- or 9-membered heteroaryl,

R³ stands for -OR⁴ or -NR⁵R⁶,

15 wherein

R⁴ stands for hydrogen, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, 4- to 7-membered heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

20 in which (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, 4- to 7-membered heterocyclyl, phenyl and 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₆)-cycloalkyl, difluoromethoxy, trifluoromethoxy, Oxo, -(C=O)_pO-R⁹, -C(=O)_p-NR⁹R¹⁰, -NR⁹-(C=O)-R¹⁰, -NR⁹-(C=O)-OR¹⁰, -NR⁹-(C=O)-NR¹⁰R¹¹, -NR⁹-SO₂-R¹⁰, -S(O)_q-R¹² and -SO₂-NR⁹R¹⁰,

25 in which

p denotes the number 0 or 1,

q denotes the number 0, 1 or 2,

R⁹, R¹⁰ and R¹¹ each stand, independently of one another, for hydrogen, (C₁-C₆)-alkyl or (C₃-C₈)-cycloalkyl,

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in which (C₁-C₆)-alkyl for its part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, hydroxy, (C₁-C₆)-alkoxy, difluoromethoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino, di(C₁-C₆)-alkylamino and 4- to 7-membered heterocyclyl,

or

R⁹ and R¹⁰ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

or

R¹⁰ and R¹¹ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

and in which

R¹² stands for (C₁-C₆)-alkyl or (C₃-C₇)-cycloalkyl,

and

in which the aforementioned (C₁-C₄)-alkyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₇)-cycloalkyl and 4- to 7-membered heterocyclyl groups, unless stated otherwise, can in each case be further substituted independently of one another with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl, amino, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

R⁵ stands for hydrogen or (C₁-C₄)-alkyl,

R⁶ stands for (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, 4- to 7-membered heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

in which (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, 4- to 7-membered heterocyclyl, phenyl and 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, difluoromethoxy, trifluoromethoxy, oxo, -(C=O)_p-OR⁹, -(C=O)_p-NR⁹R¹⁰, -NR⁹-(C=O)-R¹⁰, -NR⁹-(C=O)-OR¹⁰, -NR⁹-(C=O)-NR¹⁰R¹¹, -NR⁹-SO₂-R¹⁰, -S(O)_q-R¹², -SO₂-NR⁹R¹⁰, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

in which

p denotes the number 0 or 1,

q denotes the number 0, 1 or 2,

R⁹, R¹⁰ and R¹¹ each stand, independently of one another, for hydrogen, (C₁-C₆)-alkyl or (C₃-C₈)-cycloalkyl,

in which (C₁-C₆)-alkyl for its part can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₃-C₇)-cycloalkyl, difluoromethoxy, trifluoromethoxy and (C₁-C₄)-alkoxy,

or

R⁹ and R¹⁰ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

or

R¹⁰ and R¹¹ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

in which

R¹² stands for (C₁-C₆)-alkyl or (C₃-C₇)-cycloalkyl,

and

in which phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl for their part can be substituted with 1 to substituents selected independently of one another from the group halogen, cyano, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, oxo, difluoromethoxy, trifluoromethoxy and (C₁-C₄)-alkoxy,

or

R⁵ and R⁶ form, together with the nitrogen atom to which they are bound, a 4- to 7-membered heterocycle or a 5- or 6-membered heteroaryl,

in which the 4- to 7-membered heterocycle and the 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl,

hydroxy, oxo, (C₁-C₆)-alkoxy, difluoromethoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, (C₁-C₆)-alkylcarbonylamino, amino, mono-(C₁-C₆)-alkylamino, di(C₁-C₆)-alkylamino and 4- to 7-membered heterocyclyl,

and

5 in which the aforementioned (C₁-C₄)-alkyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₇)-cycloalkyl and 4- to 7-membered heterocyclyl groups, unless stated otherwise, can in each case be further substituted independently of one another with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl, amino, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

10 R¹ stands for fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl or (C₁-C₄)-alkoxy,

n stands for a number 0, 1 or 2,

15 R² stands for trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, phenyl or 5- or 6-membered heteroaryl,

wherein (C₁-C₆)-alkyl is substituted with a substituent selected from the group difluoromethyl and trifluoromethyl,

wherein (C₁-C₆)-alkyl can be substituted with 1 to 3 fluorine substituents,

20 wherein (C₃-C₈)-cycloalkyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, methyl and methoxy,

wherein phenyl is substituted with 1 to 3 fluorine substituents,

wherein phenyl can be substituted with 1 or 2 substituents selected independently of one another from the group methyl and methoxy,

25 and

wherein 5- and 6-membered heteroaryl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl and methyl,

and their *N*-oxides, salts, solvates, salts of the *N*-oxides and solvates of the *N*-oxides and salts.

2. Compounds of formula (I) according to Claim 1, in which

L stands for a group $\#^1\text{-CR}^{7A}\text{R}^{7B}\text{-(CR}^{8A}\text{R}^{8B})_m\text{-}\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

5 $\#^2$ stands for the point of attachment to the pyrimidine ring,

m stands for a number 0 or 1,

R^{7A} stands for hydrogen, fluorine, methyl, ethyl, hydroxy or amino,

10 R^{7B} stands for hydrogen, fluorine, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, methoxycarbonylamino, cyano, cyclopropyl, cyclobutyl, cyclopentyl, phenyl or a group of formula -M-R^{13} ,

15 in which (C₁-C₄)-alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, cyano, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, difluoromethoxy, trifluoromethoxy, methoxy, ethoxy, hydroxycarbonyl, methoxycarbonyl, ethoxycarbonyl and amino,

and in which

M stands for a bond or methylene,

20 R^{13} stands for $\text{-(C=O)-NR}^{14}\text{R}^{15}$, $\text{-C(=S)-NR}^{14}\text{R}^{15}$, oxadiazolonyl, oxadiazolethionyl, phenyl, oxazolyl, thiazolyl, pyrazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl, pyrimidinyl or pyrazinyl,

in which

r denotes the number 0 or 1,

25 R^{14} and R^{15} each stand, independently of one another, for hydrogen, methyl, ethyl, isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl or pyridyl,

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in which methyl, ethyl and iso-propyl can be further substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, difluoromethoxy, trifluoromethoxy, methoxy, ethoxy, hydroxycarbonyl, methoxycarbonyl, ethoxycarbonyl and amino,

and

in which oxadiazolonyl, oxadiazolethionyl, phenyl, oxazolyl, thiazolyl, pyrazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl, pyrimidinyl and pyrazinyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, isopropyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl, cyclobutyl, cyclopropylmethyl, cyclobutylmethyl, hydroxy, methoxy and ethoxy,

or

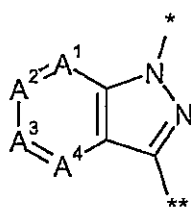
R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a cyclopropyl, cyclobutyl, cyclopentyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl or tetrahydropyranyl ring,

in which the cyclopropyl, cyclobutyl, cyclopentyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl and tetrahydropyranyl ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine and methyl,

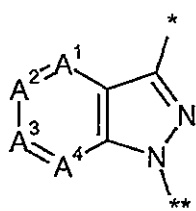
R^{8A} stands for hydrogen, fluorine, methyl, ethyl or hydroxy,

R^{8B} stands for hydrogen, fluorine, methyl, ethyl or trifluoromethyl,

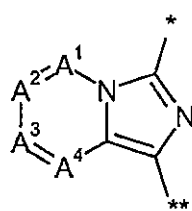
the ring Q stands for a group of formula



(a-1)

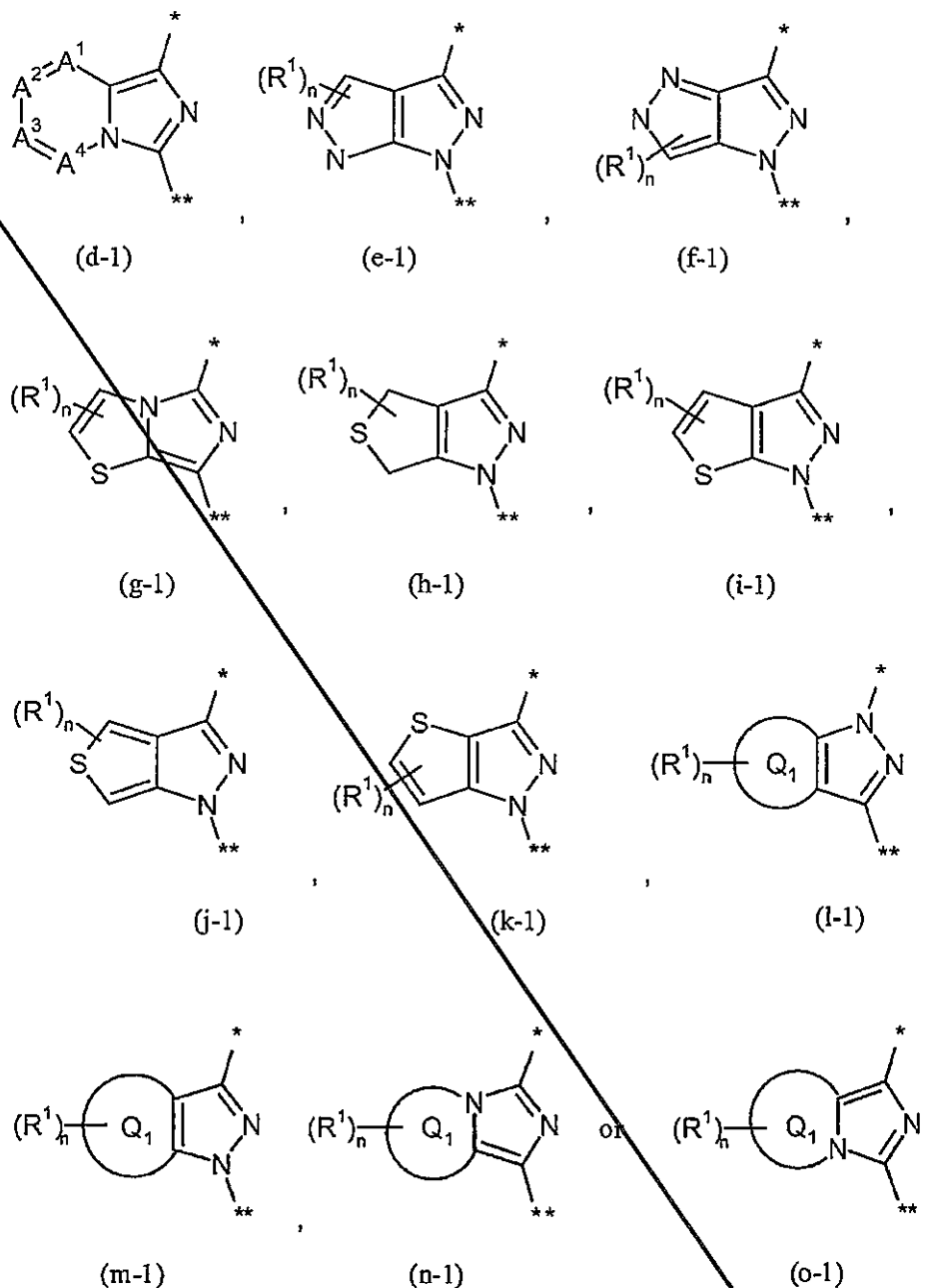


(b-1)



(c-1)

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5 wherein

* stands for the point of attachment to $-\text{CH}_2\text{-R}^2$,

** stands for the point of attachment to the pyrimidine,

the ring Q_1 together with the atoms to which it is bound, forms a 5- to 7-membered saturated or partially unsaturated carbocycle or a 5- to 7-membered saturated or partially unsaturated heterocycle,

10

R^1 stands for fluorine, chlorine or methyl,

n stands for a number 0, 1 or 2,

A^1 , A^2 , A^3 and A^4 independently of one another stand in each case for N, CH or CR^1 ,

with the proviso that at most two of the groups A^1 , A^2 , A^3 and A^4 stand for N,

R^3 stands for $-OR^4$ or $-NR^5R^6$,

5 wherein

R^4 stands for (C_1-C_6) -alkyl, cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazoly, oxazoly, thiazoly, triazoly, oxadiazoly, thiadiazoly, pyridyl or pyrimidiny,

10 in which (C_1-C_6) -alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, and $-NR^9-(C=O)-R^{10}$,

and

15 in which cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazoly, oxazoly, thiazoly, triazoly, oxadiazoly, thiadiazoly, pyridyl or pyrimidiny can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 20 isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, oxo, $-(C=O)_p-OR^9$ and $-(C=O)_p-NR^9R^{10}$,

in which

p denotes the number 0 or 1,

25 R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, isopropyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl, cyclobutyl or cyclopentyl,

or

R^9 and R^{10} form, together with the respective atom(s) to which they are bound, an azetidiny, pyrrolidiny, piperidiny, piperaziny or morpholiny ring,

in which the azetidiny, pyrrolidiny, piperidiny, piperaziny and morpholiny ring for its part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, methyl, ethyl, hydroxy, oxo, methoxy, ethoxy, amino, methylamino, ethylamino, dimethylamino and diethylamino,

R^5 stands for hydrogen, methyl or ethyl,

R^6 stands for (C_1-C_6) -alkyl, cyclopropyl, (C_3-C_6) -cycloalkyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidiny,

in which (C_1-C_6) -alkyl and (C_3-C_6) -cycloalkyl are substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, $-NR^9-(C=O)-R^{10}$, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, furanyl, pyrazolyl, imidazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidiny,

in which cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, furanyl, pyrazolyl, imidazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidiny for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, difluoromethoxy, trifluoromethoxy, methoxy and ethoxy,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidiny can be substituted with

1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, oxo, $-(C=O)_p-OR^9$ and $-(C=O)_p-NR^9R^{10}$,

5 in which

p denotes the number 0 or 1,

10 R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, isopropyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl, cyclobutyl or cyclopentyl,

or

15 R^9 and R^{10} form, together with the respective atom(s) to which they are bound, an azetidiny, pyrrolidiny, piperidiny, piperaziny or morpholiny ring,

20 in which the azetidiny, pyrrolidiny, piperidiny, piperaziny and morpholiny ring for its part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, methyl, ethyl, hydroxy, oxo, methoxy, ethoxy, amino, methylamino, ethylamino, dimethylamino and diethylamino,

or

25 R^5 and R^6 form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperdiny, piperaziny, morpholiny, pyrazolyl, imidazolyl or triazolyl ring,

30 in which the azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperdiny, piperaziny, morpholiny, pyrazolyl, imidazolyl and triazolyl ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy,

trifluoromethoxy, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl and morpholinyl,

5 R^2 stands for trifluoromethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 2,2,3,3,3-pentafluoroprop-1-yl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, pyridyl, pyrimidinyl, pyrazinyl or pyridazinyl,

wherein phenyl is substituted with 1 to 3 fluorine substituents,

and

wherein cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, pyridyl, pyrimidinyl, pyrazinyl and pyridazinyl can be substituted with 1 or 2 fluorine substituents,

10 and their salts, solvates and solvates of the salts.

3. Compounds of formula (I) according to Claims 1 and 2, in which

L stands for a group $\#^1\text{-CR}^{7A}\text{R}^{7B}\text{-(CR}^{8A}\text{R}^{8B})_m\text{-}\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

15 $\#^2$ stands for the point of attachment to the pyrimidine ring,

m stands for a number 0,

R^{7A} stands for hydrogen, fluorine, methyl or hydroxy,

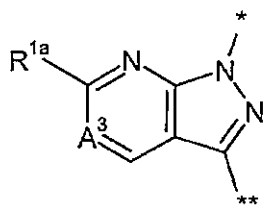
R^{7B} stands for hydrogen, fluorine, trifluoromethyl, methyl or 2,2,2-trifluoroethyl,

or

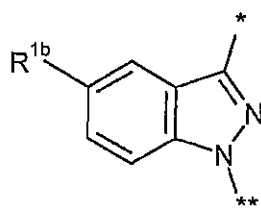
20 R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a tetrahydrofuranyl ring,

the ring Q stands for a group of formula

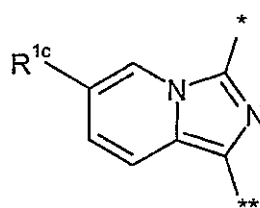
- 288 -



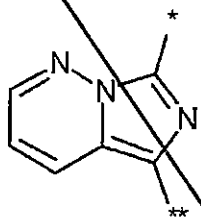
(a-1)



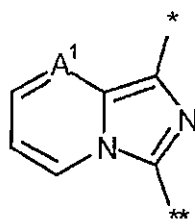
(b-1)



(c-1a)

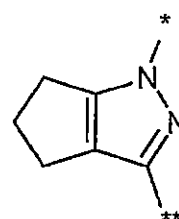


(c-1a)



(d-1)

or



(l-1)

wherein

* stands for the point of attachment to $-\text{CH}_2-\text{R}^2$,

5 ** stands for the point of attachment to the pyrimidine,

R^{1a} stands for hydrogen or methyl,

R^{1b} stands for hydrogen or fluorine,

R^{1c} stands for hydrogen or chlorine,

A^1 stands for N or CH,

10 A^3 stands for N, CH or C-F,

R^3 stands for $-\text{NR}^5\text{R}^6$,

wherein

R^5 stands for hydrogen,

R^6 stands for (C_1-C_6) -alkyl,

15 in which (C_1-C_6) -alkyl is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl or $-(\text{C}=\text{O})_p-\text{OR}^9$,

- 289 -

in which

p denotes the number 0,

 R^9 stands for hydrogen, R^2 stands for 2-fluorophenyl, 2,3-difluorophenyl or 3-fluoropyrid-2-yl,

5 and their salts, solvates and solvates of the salts.

4. Compounds of formula (I) according to Claims 1 to 3, in which

L stands for a group $\#^1\text{-CR}^{7A}\text{R}^{7B}\text{-(CR}^{8A}\text{R}^{8B})_m\text{-}\#^2$,

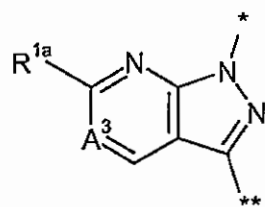
wherein

 $\#^1$ stands for the point of attachment to the carbonyl group,10 $\#^2$ stands for the point of attachment to the pyrimidine ring,

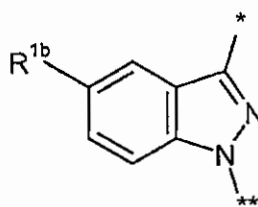
m stands for a number 0,

 R^{7A} stands for methyl, R^{7B} stands for methyl,

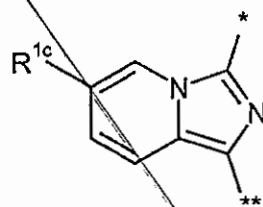
the ring Q stands for a group of formula



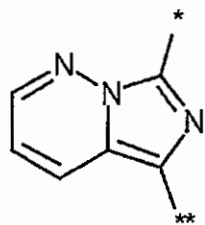
(a-1)



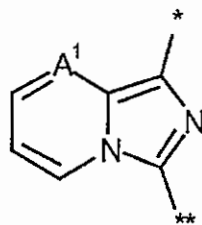
(b-1)



(c-1a)

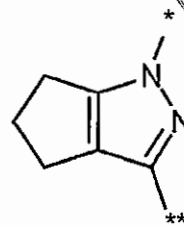


(c-1a)



(d-1)

or



(l-1)

wherein

* stands for the point of attachment to $-\text{CH}_2-\text{R}^2$,

** stands for the point of attachment to the pyrimidine,

R^{1a} stands for hydrogen or methyl,

5 R^{1b} stands for hydrogen or fluorine,

R^{1c} stands for hydrogen or chlorine,

A^1 stands for N or CH,

A^3 stands for N, CH or C-F,

R^3 stands for $-\text{NR}^5\text{R}^6$,

10 wherein

R^5 stands for hydrogen, methyl or ethyl,

R^6 stands for (C_1-C_6) -alkyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidinyl,

15 in which (C_1-C_6) -alkyl is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, trifluoromethoxy, $-(\text{C}=\text{O})_p-\text{OR}^9$, $-(\text{C}=\text{O})_p-\text{NR}^9\text{R}^{10}$, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl,

20 in which

p denotes the number 0 or 1,

R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl or cyclobutyl,

25 and

in which tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl for their part can be

substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl and oxo,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazoly, oxazoly, thiazoly, triazoly, oxadiazoly, thiadiazoly, pyridyl and pyrimidiny can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl and oxo,

or

R^5 and R^6 form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperdiny, piperaziny, morpholiny, pyrazoly or imidazoly ring,

in which the azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperdiny, piperaziny, morpholiny, pyrazoly and imidazoly ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy and trifluoromethoxy,

R^2 stands for 3,3,3-trifluoroeth-1-yl, 2,2,3,3,3-pentafluoroprop-1-yl, phenyl or pyridyl,

wherein phenyl is substituted with 1 to 3 fluorine substituents,

and

wherein pyridyl can be substituted with 1 fluorine substituent,

and their salts, solvates and solvates of the salts.

5. Compounds of formula (I) according to Claims 1 to 4, in which

L stands for a group $\#^1\text{-CR}^{7A}\text{R}^{7B}\text{-(CR}^{8A}\text{R}^{8B})_m\text{-}\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

- 292 -

#² stands for the point of attachment to the pyrimidine ring,

m stands for a number 0,

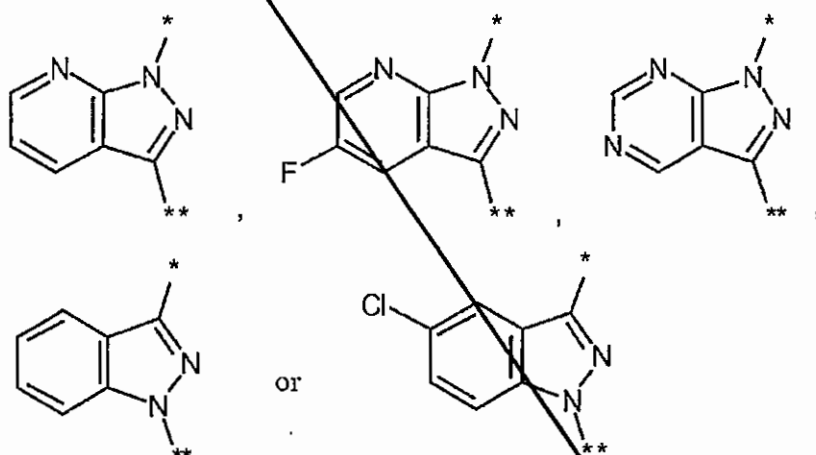
R^{7A} stands for hydrogen, fluorine, methyl, hydroxy,

R^{7B} stands for hydrogen, fluorine, methyl or trifluoromethyl,

5 or

R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a tetrahydrofuranyl ring,

the ring Q stands for a group of formula



10 wherein

* stands for the point of attachment to -CH₂-R²,

** stands for the point of attachment to the pyrimidine,

R³ stands for -OR⁴ or -NR⁵R⁶,

wherein

15 R⁴ stands for (C₁-C₆)-alkyl or pyrazolyl,

in which (C₁-C₆)-alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, trifluoromethyl, -(C=O)_p-OR⁹ and -(C=O)_p-NR⁹R¹⁰,

in which

p denotes the number 0 or 1,

R^9 and R^{10} independently of one another stand in each case for hydrogen or methyl,

5 and

in which pyrazolyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, cyclopropyl, cyclobutyl, cyclopentyl,

10 R^5 stands for hydrogen, methyl or ethyl,

R^6 stands for (C_1 - C_6)-alkyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidiny,

15 in which (C_1 - C_6)-alkyl is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, trifluoromethoxy, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl,

in which

20 p denotes the number 0 or 1,

R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl or cyclobutyl,

and

25 in which cyclopropyl, cyclobutyl, cyclopentyl, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo and
30 hydroxy,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidinyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo, azetidiny and pyrrolidinyl,

or

R^5 and R^6 form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperdiny, piperazinyl, morpholinyl, pyrazolyl or imidazolyl ring,

in which the azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperdiny, piperazinyl, morpholinyl, pyrazolyl and imidazolyl ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy and trifluoromethoxy,

R^2 stands for 2-fluorophenyl, 2,3-difluorophenyl or 3-fluoropyrid-2-yl,

and their salts, solvates and solvates of the salts.

6. Compounds of formula (I) according to Claims 1 to 5, in which

L stands for a group $\#^1\text{-CR}^{7A}\text{R}^{7B}\text{-(CR}^{8A}\text{R}^{8B})_m\text{-}\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

$\#^2$ stands for the point of attachment to the pyrimidine ring,

m stands for a number 0,

R^{7A} stands for methyl,

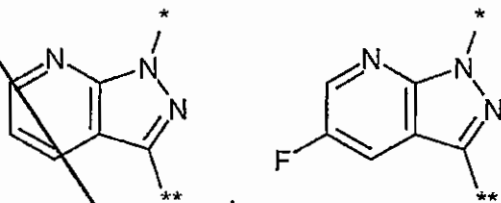
R^{7B} stands for methyl,

or

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R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a tetrahydrofuranyl ring,

the ring Q stands for a group of formula



5 wherein

* stands for the point of attachment to $-CH_2-R^2$,

** stands for the point of attachment to the pyrimidine,

R^3 stands for $-OR^4$ or $-NR^5R^6$,

wherein

10 R^4 stands for (C_1-C_6) -alkyl or pyrazolyl,

in which (C_1-C_6) -alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, trifluoromethyl, $-(C=O)_p-$, OR^9 and $-(C=O)_p-NR^9R^{10}$,

in which

15 p denotes the number 0 or 1,

R^9 and R^{10} independently of one another stand in each case for hydrogen or methyl,

and

20 in which pyrazolyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, cyclopropyl, cyclobutyl, cyclopentyl,

R^5 stands for hydrogen, methyl or ethyl,

R⁶ stands for (C₁-C₆)-alkyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidinyl,

in which (C₁-C₆)-alkyl is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl cyclopropyl, cyclobutyl, cyclopentyl, trifluoromethoxy, -(C=O)_p-OR⁹, -(C=O)_p-NR⁹R¹⁰, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl,

in which

p denotes the number 0 or 1,

R⁹ and R¹⁰ each stand, independently of one another, for hydrogen, methyl, ethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl or cyclobutyl,

and

in which cyclopropyl, cyclobutyl, cyclopentyl, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo and hydroxy,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidinyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo, azetidiny and pyrrolidinyl,

or

R⁵ and R⁶ form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperdinyl, piperazinyl, morpholinyl, pyrazolyl or imidazolyl ring,

in which the azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperdinyl, piperazinyl, morpholinyl, pyrazolyl and imidazolyl ring

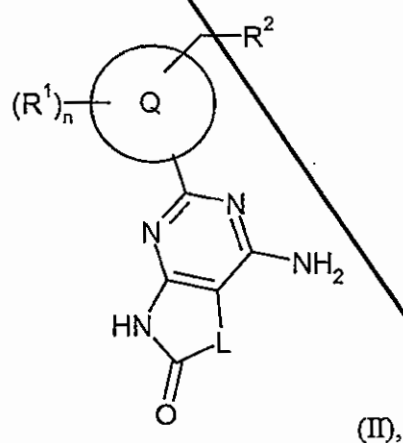
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can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy and trifluoromethoxy,

R^2 stands for 2-fluorophenyl, 2,3-difluorophenyl or 3-fluoropyrid-2-yl,

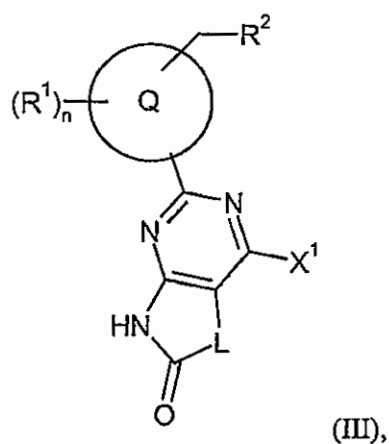
and their salts, solvates and solvates of the salts.

7. Method of production of compounds of formula (I), as defined in Claims 1 to 6, characterized in that a compound of formula (II)



in which n, L, Q, R^1 and R^2 in each case have the meanings stated in Claims 1 to 6,

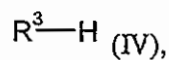
is converted in an inert solvent with isopentyl nitrite and a halogen equivalent to a compound of formula (III)



in which n, L, Q, R¹ and R² in each case have the meanings given in Claims 1 to 6 and

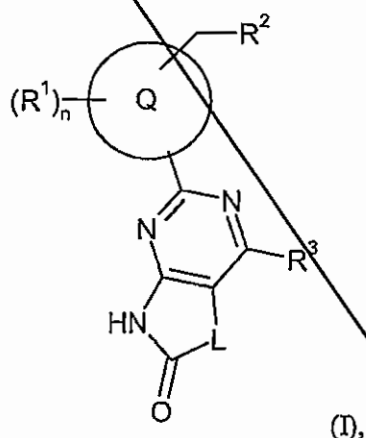
X¹ stands for bromine or iodine

and this is then reacted in an inert solvent optionally in the presence of a suitable base with a compound of formula (IV)



in which R³ has the meaning given in Claims 1 to 6,

to a compound of formula (I)



in which n, L, Q, R¹, R² and R³ in each case have the meanings given in Claims 1 to 6,

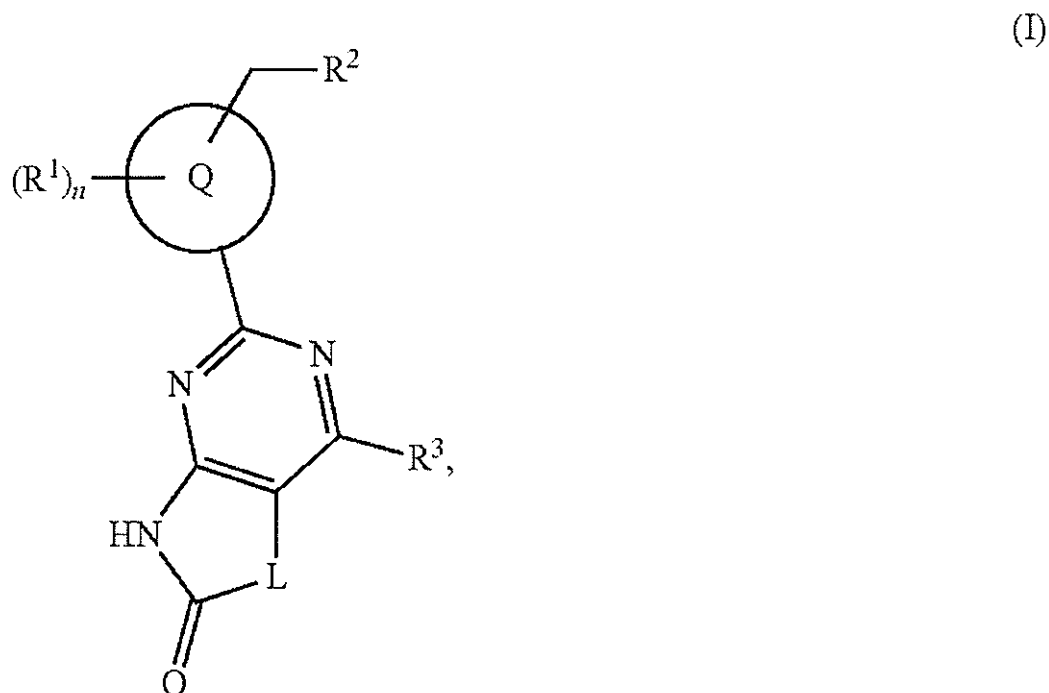
and optionally the resultant compounds of formula (I) optionally with the corresponding (i) solvents and/or (ii) acids or bases are transformed to their solvates, salts and/or solvates of the salts.

8. Compound of formula (I), as defined in one of Claims 1 to 6, for treating and/or preventing diseases.
9. Use of a compound of formula (I), as defined in one of Claims 1 to 6, for producing a medicinal product for treating and/or preventing heart failure, angina pectoris, hypertension, pulmonary hypertension, ischaemias, vascular diseases, renal insufficiency, thromboembolic diseases, fibrotic diseases and arteriosclerosis.
10. Compound of formula (I), as defined in one of Claims 1 to 6, for use in a method of treating and/or preventing heart failure, angina pectoris, hypertension, pulmonary hypertension, ischaemias, vascular diseases, renal insufficiency, thromboembolic diseases, fibrotic diseases and arteriosclerosis.

11. Medicinal product containing a compound of formula (I), as defined in one of Claims 1 to 6, in combination with an inert, non-toxic, pharmaceutically suitable excipient.
12. Medicinal product containing a compound of formula (I), as defined in one of Claims 1 to 6, in combination with another active substance selected from the group consisting of organic nitrates, NO-donors, cGMP-PDE inhibitors, antithrombotic agents, agents for lowering blood pressure and agents for altering fat metabolism.
13. Medicinal product according to Claim 11 or 12 for treating and/or preventing heart failure, angina pectoris, hypertension, pulmonary hypertension, ischaemias, vascular diseases, renal insufficiency, thromboembolic diseases, fibrotic diseases and arteriosclerosis.
14. Method of treating and/or preventing heart failure, angina pectoris, hypertension, pulmonary hypertension, ischaemias, vascular diseases, renal insufficiency, thromboembolic diseases, fibrotic diseases and arteriosclerosis in humans and animals using an effective amount of at least one compound of formula (I), as defined in one of Claims 1 to 6, or of a medicinal product, as defined in one of Claims 11 to 13.

CLAIMS

1. A compound of general formula (I)



in which

L stands for a group $\#^1 - CR^{7A}R^{7B} - \#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

$\#^2$ stands for the point of attachment to the pyrimidine ring,

R^{7A} stands for hydrogen, fluorine, $(C_1 - C_4)$ -alkyl, hydroxyl or amino,

in which $(C_1 - C_4)$ -alkyl can be substituted with 1 to 3

substituents selected independently of one another from the group fluorine, trifluoromethyl, hydroxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl and amino,

R^{7B} stands for hydrogen, fluorine, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₄)-alkoxycarbonylamino, cyano, (C₃-C₇)-cycloalkyl, difluoromethoxy, trifluoromethoxy, phenyl or a group of formula -M-R¹³,

in which (C₁-C₆)-alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, cyano, trifluoromethyl, (C₃-C₇)-cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl and amino,

and in which

M stands for a bond or (C₁-C₄)-alkanediyl,

R¹³ stands for $-(C=O)_r-OR^{14}$, $-(C=O)_r-NR^{14}R^{15}$, $-C(=S)-NR^{14}R^{15}$, $-NR^{14}-C(=O)-R^{17}$, $-NR^{14}-(C=O)-NR^{15}R^{16}$, $-NR^{14}-SO_2-NR^{15}R^{16}$, $-NR^{14}-SO_2-R^{17}$, $-S(O)_s-R^{17}$, $-SO_2-NR^{14}R^{15}$, 4- to 7-membered heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

in which

r denotes the number 0 or 1,

s denotes the number 0, 1 or 2,

R¹⁴, R¹⁵ and R¹⁶ each stand, independently of one another, for hydrogen, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, 4- to 7-membered heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

or

R¹⁴ and R¹⁵ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

or

R¹⁵ and R¹⁶ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

R¹⁷ stands for (C₁-C₆)-alkyl or (C₃-C₇)-cycloalkyl,
or

R¹⁴ and R¹⁷ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

and

in which for their part the 4- to 7-membered heterocyclyl, phenyl and 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group halogen, cyano, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, oxo, thiooxo and (C₁-C₄)-alkoxy,

and

in which the aforementioned (C₁-C₄)-alkyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₇)-cycloalkyl and 4- to 7-membered heterocyclyl groups, unless stated otherwise, can in each case be further substituted independently of one another with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl, amino, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

or

R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a (C₂-C₄)-alkenyl group, an oxo group, a 3- to 6-membered carbocycle or a 4- to 7-membered heterocycle,

in which the 3- to 6-membered carbocycle and the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine and (C₁-C₄)-alkyl,

the ring Q stands for a nitrogen-containing 8- or 9-membered heteroaryl,

R³ stands for —OR⁴ or —NR⁵R⁶,

wherein

R^4 stands for hydrogen, (C_1-C_6) -alkyl, (C_3-C_7) -cycloalkyl, 4- to 7-membered heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

in which (C_1-C_6) -alkyl, (C_3-C_7) -cycloalkyl, 4- to 7-membered heterocyclyl, phenyl and 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C_1-C_6) -alkyl, (C_3-C_6) -cycloalkyl, difluoromethoxy, trifluoromethoxy, Oxo, $-(C=O)_{PO}R^9$, $-C(=O)_p-NR^9R^{10}$, $-NR^9-(C=O)-R^{10}$, $-NR^9-(C=O)-OR^{10}$, $-NR^9-(C=O)-NR^{10}R^{11}$, $-NR^9-SO_2-R^{10}$, $-S(O)_q-R^{12}$ and $-SO_2-NR^9R^{10}$,

in which

p denotes the number 0 or 1,

q denotes the number 0, 1 or 2,

R^9 , R^{10} and R^{11} each stand, independently of one another, for hydrogen, (C_1-C_6) -alkyl or (C_3-C_8) -cycloalkyl,

in which (C_1-C_6) -alkyl for its part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, hydroxy, (C_1-C_6) -alkoxy, difluoromethoxy, trifluoromethoxy, (C_1-C_6) -alkoxycarbonyl, amino, mono- (C_1-C_6) -alkylamino, di- (C_1-C_6) -alkylamino and 4- to 7-membered heterocyclyl,

or

R^9 and R^{10} form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substitu-

ents selected independently of one another from the group fluorine, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

or

R¹⁰ and R¹¹ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

and in which

R¹² stands for (C₁-C₆)-alkyl or (C₃-C₇)-cycloalkyl,

and

in which the aforementioned (C₁-C₄)-alkyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₇)-cycloalkyl and 4- to 7-membered heterocyclyl groups, unless stated otherwise, can in each case be further substituted independently of one another with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl, amino, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

R⁵ stands for hydrogen or (C₁-C₄)-alkyl,

R^6 stands for (C_1-C_6) -alkyl, (C_3-C_7) -cycloalkyl, 4- to 7-membered heterocyclyl, phenyl or 5- or 6-membered heteroaryl,

in which (C_1-C_6) -alkyl, (C_3-C_7) -cycloalkyl, 4- to 7-membered heterocyclyl, phenyl and 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C_1-C_6) -alkyl, (C_3-C_7) -cycloalkyl, difluoromethoxy, trifluoromethoxy, oxo, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, $-NR^9-(C=O)-R^{10}$, $-NR^9-(C=O)-OR^{10}$, $-NR^9-(C=O)-NR^{10}R^{11}$, $-NR^9-SO_2-R^{10}$, $-S(O)_q-R^{12}$, $-SO_2-NR^9R^{10}$, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

in which

p denotes the number 0 or 1,

q denotes the number 0, 1 or 2,

R^9 , R^{10} and R^{11} each stand, independently of one another, for hydrogen, (C_1-C_6) -alkyl or (C_3-C_8) -cycloalkyl,

in which (C_1-C_6) -alkyl for its part can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, (C_3-C_7) -cycloalkyl, difluoromethoxy, trifluoromethoxy and (C_1-C_4) -alkoxy,

or

R^9 and R^{10} form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, trifluoromethyl, (C_1-C_6) -

alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

or

R¹⁰ and R¹¹ form, together with the respective atom(s) to which they are bound, a 4- to 7-membered heterocycle,

in which for its part the 4- to 7-membered heterocycle can be substituted with 1 or 2 substituents selected independently of one another from the group cyano, trifluoromethyl, (C₁-C₆)-alkyl, hydroxy, oxo, (C₁-C₆)-alkoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, amino, mono-(C₁-C₆)-alkylamino and di(C₁-C₆)-alkylamino,

in which

R¹² stands for (C₁-C₆)-alkyl or (C₃-C₇)-cycloalkyl, and

in which phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl for their part can be substituted with 1 to substituents selected independently of one another from the group halogen, cyano, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, oxo, difluoromethoxy, trifluoromethoxy and (C₁-C₄)-alkoxy,

or

R⁵ and R⁶ form, together with the nitrogen atom to which they are bound, a 4- to 7-membered heterocycle or a 5- or 6-membered heteroaryl,

in which the 4- to 7-membered heterocycle and the 5- or 6-membered heteroaryl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl,

hydroxy, oxo, (C₁-C₆)-alkoxy, difluoromethoxy, trifluoromethoxy, (C₁-C₆)-alkoxycarbonyl, (C₁-C₆)-alkylcarbonylamino, amino, mono-(C₁-C₆)-alkylamino, di(C₁-C₆)-alkylamino and 4- to 7-membered heterocyclyl,

and

in which the aforementioned (C₁-C₄)-alkyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₇)-cycloalkyl and 4- to 7-membered heterocyclyl groups, unless stated otherwise, can in each case be further substituted independently of one another with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl, hydroxy, difluoromethoxy, trifluoromethoxy, (C₁-C₄)-alkoxy, hydroxycarbonyl, (C₁-C₄)-alkoxycarbonyl, amino, phenyl, 4- to 7-membered heterocyclyl and 5- or 6-membered heteroaryl,

R¹ stands for fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, (C₁-C₄)-alkyl, (C₃-C₇)-cycloalkyl or (C₁-C₄)-alkoxy,

n stands for a number 0, 1 or 2,

R² stands for trifluoromethyl, (C₁-C₆)-alkyl, (C₃-C₈)-cycloalkyl, phenyl or 5- or 6-membered heteroaryl,

wherein (C₁-C₆)-alkyl is substituted with a substituent selected from the group difluoromethyl and trifluoromethyl,

wherein (C₁-C₆)-alkyl can be substituted with 1 to 3 fluorine substituents,

wherein (C₃-C₈)-cycloalkyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, methyl and methoxy,

wherein phenyl is substituted with 1 to 3 fluorine substituents,

wherein phenyl can be substituted with 1 or 2 substituents selected independently of one another from the

group methyl and methoxy,
and

wherein 5- and 6-membered heteroaryl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl and methyl,
or a salt thereof.

2. The compound of claim 1, in which

L stands for a group $\#^1\text{---CR}^{7A}\text{R}^{7B}\text{---}\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

$\#^2$ stands for the point of attachment to the pyrimidine ring,

R^{7A} stands for hydrogen, fluorine, methyl, ethyl, hydroxy or amino,

R^{7B} stands for hydrogen, fluorine, difluoromethyl, trifluoromethyl, $(\text{C}_1\text{--C}_4)\text{-alkyl}$, methoxycarbonylamino, cyano, cyclopropyl, cyclobutyl, cyclopentyl, phenyl or a group of formula ---M--R^{13} ,

in which $(\text{C}_1\text{--C}_4)\text{-alkyl}$ can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, cyano, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, difluoromethoxy, trifluoromethoxy, methoxy, ethoxy, hydroxycarbonyl, methoxycarbonyl, ethoxycarbonyl and amino,

and in which

M stands for a bond or methylene,

R^{13} stands for $\text{---(C=O)}_r\text{---NR}^{14}\text{R}^{15}$, $\text{---C(=S)---NR}^{14}\text{R}^{15}$, oxadiazolonyl, oxadiazolethionyl, phenyl, oxazolyl, thiazolyl, pyrazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl, pyrimidinyl or pyrazinyl,

in which

r denotes the number 0 or 1,

R^{14} and R^{15} each stand, independently of one another, for hydrogen, methyl, ethyl, isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl or pyridyl,

in which methyl, ethyl and iso-propyl can be further substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, difluoromethoxy, trifluoromethoxy, methoxy, ethoxy, hydroxycarbonyl, methoxycarbonyl, ethoxycarbonyl and amino,

and

in which oxadiazolonyl, oxadiazolethionyl, phenyl, oxazolyl, thiazolyl, pyrazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl, pyrimidinyl and pyrazinyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, isopropyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl, cyclobutyl, cyclopropylmethyl, cyclobutylmethyl, hydroxy, methoxy and ethoxy,

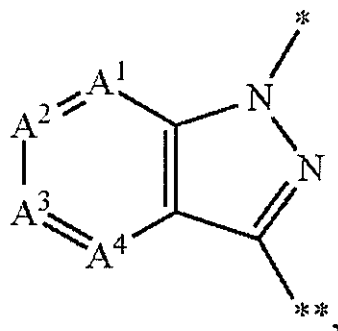
or

R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a cyclopropyl, cyclobutyl, cyclopentyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl or tetrahydropyranyl ring,

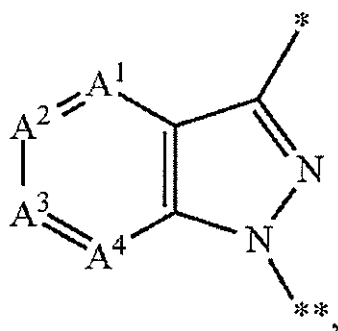
in which the cyclopropyl, cyclobutyl, cyclopentyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl and tetrahydropyranyl ring can be substituted with 1 or 2 substituents selected independently of one another from

the group fluorine and methyl,
the ring Q stands for a group of formula

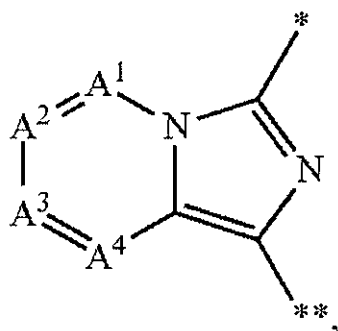
(a-1)



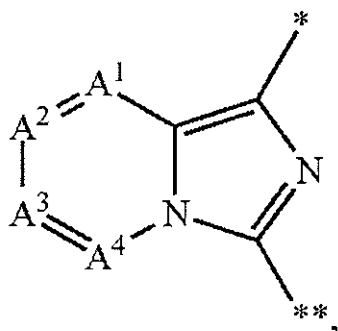
(b-1)



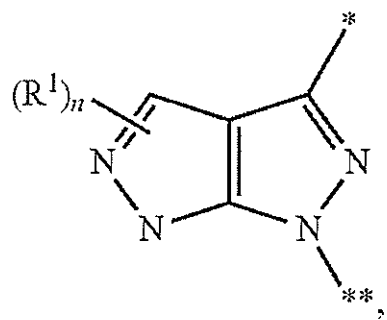
(c-1)



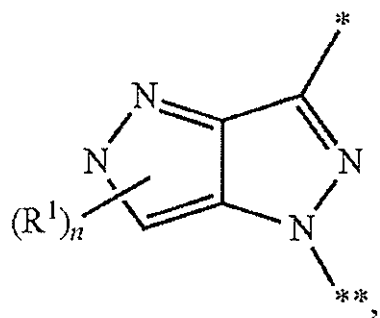
(d-1)



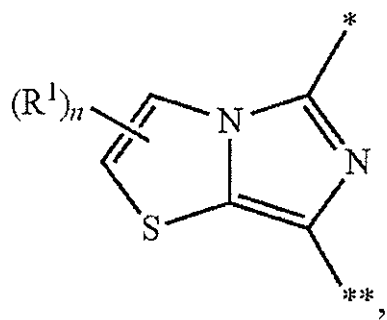
(e-1)



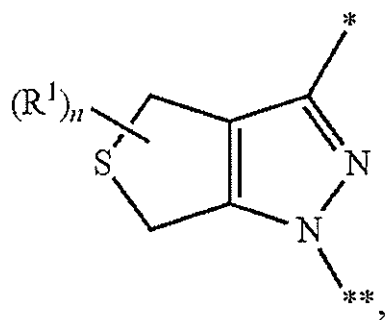
(f-1)



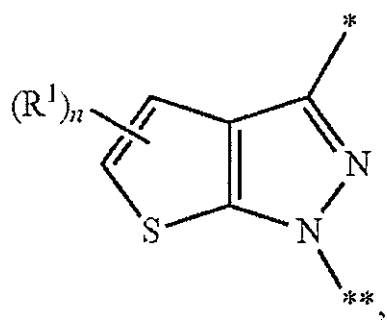
(g-1)



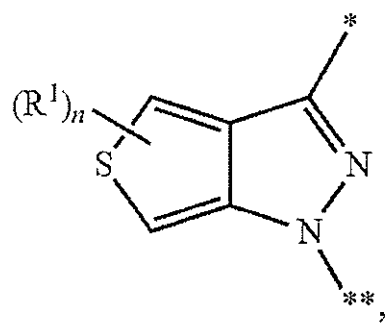
(h-1)



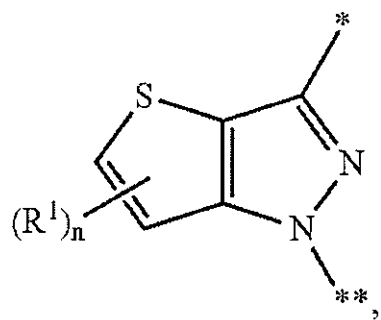
(i-1)



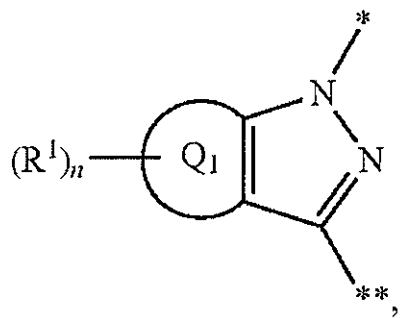
(j-1)



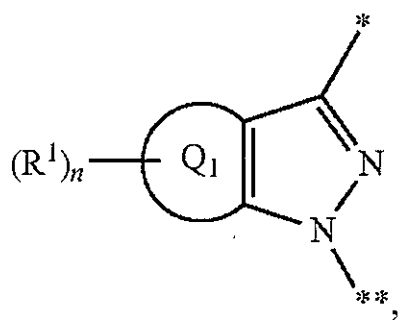
(k-1)



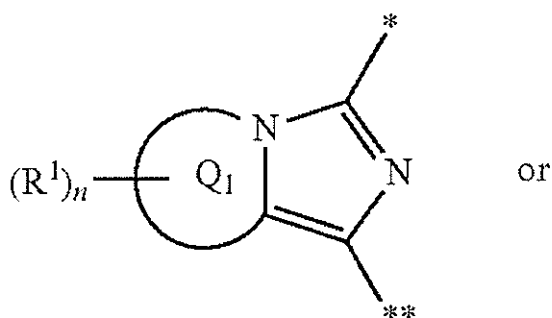
(l-1)



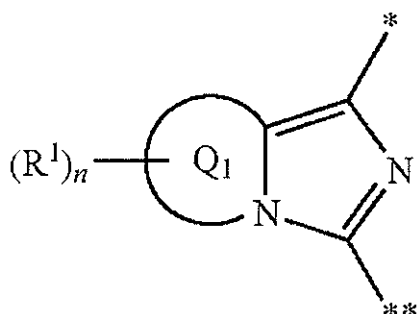
(m-1)



(n-1)



(o-1)



wherein

* stands for the point of attachment to $\text{—CH}_2\text{—R}^2$,
 ** stands for the point of attachment to the pyrimidine,
 the ring Q_1 together with the atoms to which it is bound,
 forms a 5- to 7-membered saturated or partially unsaturated carbocycle or a 5- to 7-membered saturated or partially unsaturated heterocycle,

R^1 stands for fluorine, chlorine or methyl,

n stands for a number 0, 1 or 2,

A^1 , A^2 , A^3 and A^4 independently of one another stand in each case for N, CH or CR^1 ,

with the proviso that at most two of the groups A^1 , A^2 , A^3 and A^4 stand for N,

R^3 stands for —OR^4 or —NR^5R^6 ,

wherein

R^4 stands for $(C_1\text{—}C_6)\text{-alkyl}$, cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piper-

azinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidinyl,

in which (C₁-C₆)-alkyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, $-(C=O)_p-$ OR⁹, $-(C=O)_p-NR^9R^{10}$, and $-(C=O)_p-NR^9-$ (C=O)-R¹⁰,

and

in which cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidinyl can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, oxo, $-(C=O)_p-OR^9$ and $-(C=O)_p-NR^9R^{10}$, in which

p denotes the number 0 or 1,

R⁹ and R¹⁰ each stand, independently of one another, for hydrogen, methyl, ethyl, isopropyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl, cyclobutyl or cyclopentyl,

or

R⁹ and R¹⁰ form, together with the respective atom(s) to which they are bound, an azetidiny, pyrrolidinyl, piperidinyl, piperazinyl or morpholinyl ring,

in which the azetidiny, pyrrolidiny, piperidiny, piperaziny and morpholiny ring for its part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, methyl, ethyl, hydroxy, oxo, methoxy, ethoxy, amino, methylamino, ethylamino, dimethylamino and diethylamino,

R⁵ stands for hydrogen, methyl or ethyl,

R⁶ stands for (C₁-C₆)-alkyl, cyclopropyl, (C₃-C₆)-cycloalkyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidiny,

in which (C₁-C₆)-alkyl and (C₃-C₆)-cycloalkyl are substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, $-NR^9-(C=O)-R^{10}$, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, furanyl, pyrazolyl, imidazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidiny,

in which cyclopropyl, cyclobutyl, cyclopentyl, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, furanyl, pyrazolyl, imidazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidiny for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluo-

romethyl, trifluoromethyl, methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, difluoromethoxy, trifluoromethoxy, methoxy and ethoxy,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazoly, oxazoly, thiazoly, triazoly, oxadiazoly, thiadiazoly, pyridyl and pyrimidiny can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, difluoromethoxy, trifluoromethoxy, oxo, $-(C=O)_p-OR^9$ and $-(C=O)_p-NR^9R^{10}$, in which

p denotes the number 0 or 1,

R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, isopropyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl, cyclobutyl or cyclopentyl,

or

R^9 and R^{10} form, together with the respective atom(s) to which they are bound, an azetidiny, pyrrolidiny, piperidiny, piperaziny or morpholiny ring,

in which the azetidiny, pyrrolidiny, piperidiny, piperaziny and morpholiny ring for its part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, trifluoromethyl, methyl, ethyl, hydroxy, oxo, methoxy, ethoxy, amino, methylamino, ethylamino, dimethylamino and diethylamino,

or

R⁵ and R⁶ form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperidiny, piperaziny, morpholiny, pyrazoly, imidazoly or triazoly ring,

in which the azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperidiny, piperaziny, morpholiny, pyrazoly, imidazoly and triazoly ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy, trifluoromethoxy, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny and morpholiny,

R² stands for trifluoromethyl, 2,2,2-trifluoroethyl, 3,3,3-trifluoroprop-1-yl, 2,2,3,3,3-pentafluoroprop-1-yl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, pyridyl, pyrimidiny, pyraziny or pyridaziny, wherein phenyl is substituted with 1 to 3 fluorine substituents,

and

wherein cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, pyridyl, pyrimidiny, pyraziny and pyridaziny can be substituted with 1 or 2 fluorine substituents, or a salt thereof.

3. The compound of claim 1, in which

L stands for a group #¹—CR^{7A}R^{7B}-#²,

wherein

#¹ stands for the point of attachment to the carbonyl group,

#² stands for the point of attachment to the pyrimidine ring,

R^{7A} stands for hydrogen, fluorine, methyl or hydroxy,

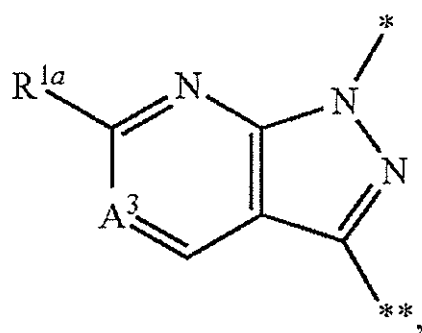
R^{7B} stands for hydrogen, fluorine, trifluoromethyl, methyl or 2,2,2-trifluoroethyl,

or

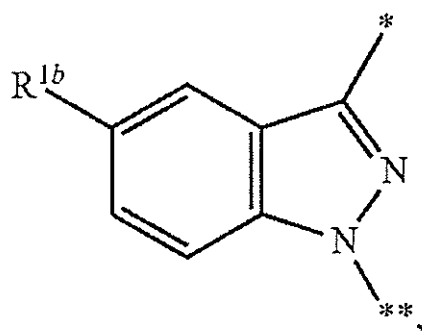
R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a tetrahydrofuranyl ring,

the ring Q stands for a group of formula

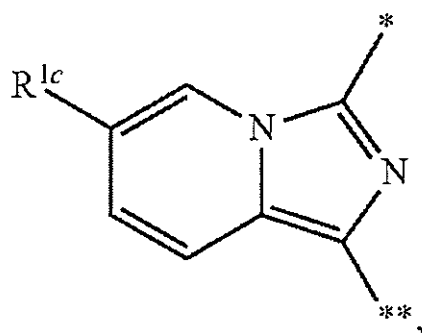
(a-1)



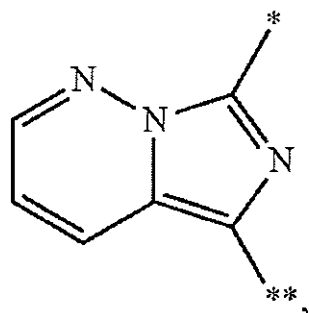
(b-1)



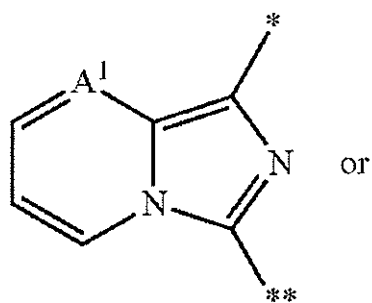
(c-1a)



(c-1a)

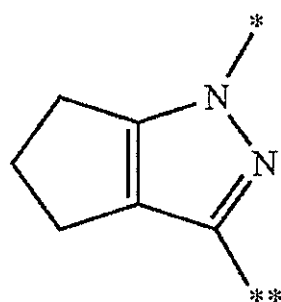


(d-1)



or

(l-1)



wherein

* stands for the point of attachment to $\text{—CH}_2\text{—R}^2$,
 ** stands for the point of attachment to the pyrimidine,

R^{1a} stands for hydrogen or methyl,

R^{1b} stands for hydrogen or fluorine,

R^{1c} stands for hydrogen or chlorine,

A^1 stands for N or CH,

A^3 stands for N, CH or C—F,

R^3 stands for $\text{—NR}^5\text{R}^6$,

wherein

R^5 stands for hydrogen,

R^6 stands for (C_1-C_6) -alkyl,

in which (C_1-C_6) -alkyl is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl or $-(C=O)_p-OR^9$,

in which

p denotes the number 0,

R^9 stands for hydrogen,

R^2 stands for 2-fluorophenyl, 2,3-difluorophenyl or 3-fluoropyrid-2-yl,

or a salt thereof.

4. Compounds of formula (I) according to claims 1 to 3, in which

L stands for a group $\#^1-CR^{7A}R^{7B}-\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

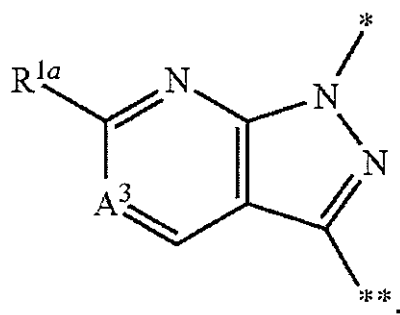
$\#^2$ stands for the point of attachment to the pyrimidine ring,

R^{7A} stands for methyl,

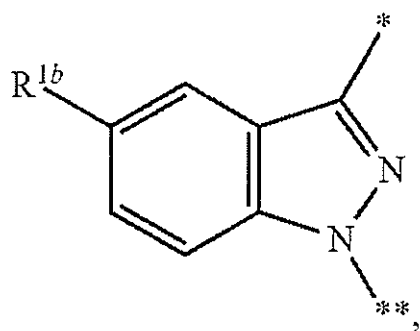
R^{7B} stands for methyl,

the ring Q stands for a group of formula

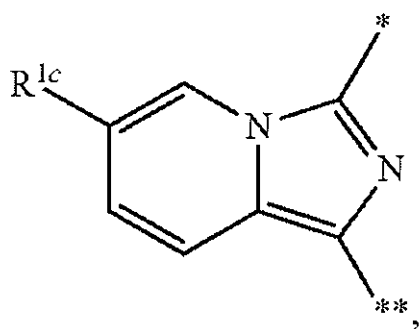
(a-1)



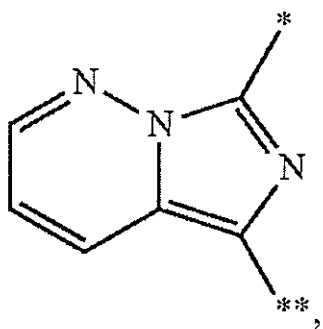
(b-1)



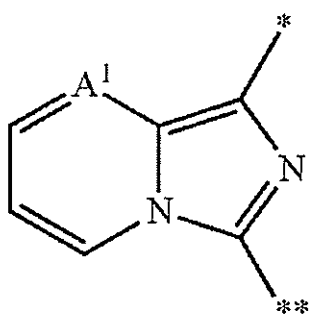
(c-1a)



(c-1a)

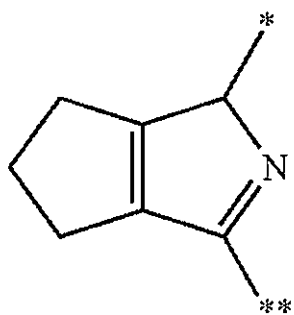


(d-1)



or

(l-1)



wherein

- * stands for the point of attachment to $\text{—CH}_2\text{—R}^2$,
- ** stands for the point of attachment to the pyrimidine,
- R^{1a} stands for hydrogen or methyl,
- R^{1b} stands for hydrogen or fluorine,
- R^{1c} stands for hydrogen or chlorine,
- A^1 stands for N or CH,
- A^3 stands for N, CH or C—F,
- R^3 stands for $\text{—NR}^5\text{R}^6$,

wherein

- R^5 stands for hydrogen, methyl or ethyl,
- R^6 stands for $(\text{C}_1\text{—C}_6)\text{-alkyl}$, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidinyl,

in which $(\text{C}_1\text{—C}_6)\text{-alkyl}$ is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl cyclopropyl, cyclobutyl, cyclopentyl, trifluoromethoxy, $\text{—(C=O)}_p\text{—OR}^9$, $\text{—(C=O)}_p\text{—NR}^9\text{R}^{10}$, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl,

in which

p denotes the number 0 or 1,

R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl or cyclobutyl,

and

in which tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl and oxo,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidinyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl and oxo,

or

R^5 and R^6 form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperidinyl, piperazinyl, morpholinyl, pyrazolyl or imidazolyl ring,

in which the azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperidinyl, piperazinyl, morpholinyl, pyrazolyl and imidazolyl ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy and trifluoromethoxy,

R^2 stands for 3,3,3-trifluoroethyl-1-yl, 2,2,3,3,3-pentafluoropropyl-1-yl, phenyl or pyridyl,

wherein phenyl is substituted with 1 to 3 fluorine substituents,

and

wherein pyridyl can be substituted with 1 fluorine substituent,

or a salt thereof.

5. The compound of claim 1, in which

L stands for a group $\#^1\text{—CR}^{7A}\text{R}^{7B}\text{—}\#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

$\#^2$ stands for the point of attachment to the pyrimidine ring,

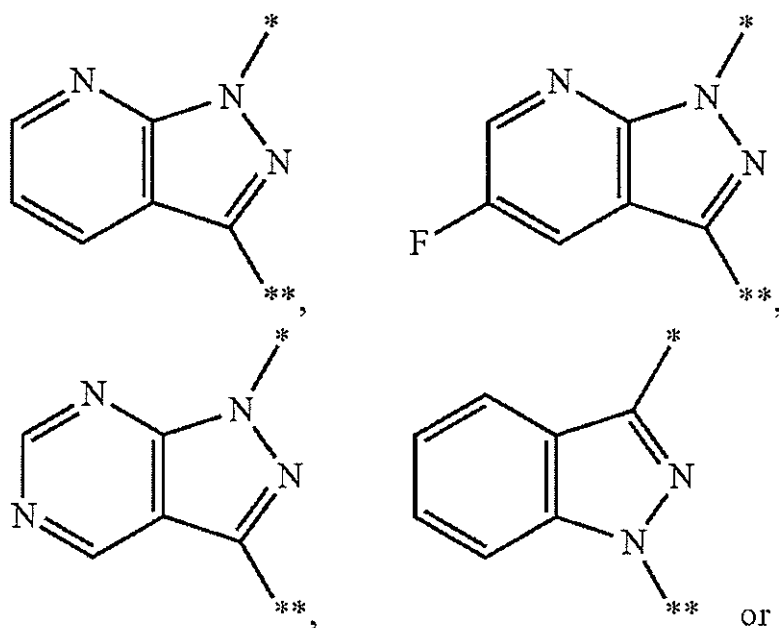
R^{7A} stands for hydrogen, fluorine, methyl, hydroxy,

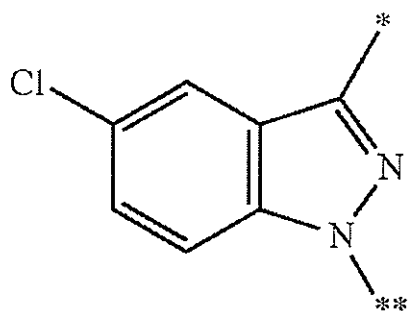
R^{7B} stands for hydrogen, fluorine, methyl or trifluoromethyl,

or

R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a tetrahydrofuranyl ring,

the ring Q stands for a group of formula





wherein

* stands for the point of attachment to $\text{—CH}_2\text{—R}^2$,

** stands for the point of attachment to the pyrimidine,

R^3 stands for —OR^4 or $\text{—NR}^5\text{R}^6$,

wherein

R^4 stands for $(\text{C}_1\text{—C}_6)\text{-alkyl}$ or pyrazolyl,

in which $(\text{C}_1\text{—C}_6)\text{-alkyl}$ can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, trifluoromethyl, $\text{—(C=O)}_p\text{—OR}^9$ and $\text{—(C=O)}_p\text{—NR}^9\text{R}^{10}$,

in which

p denotes the number 0 or 1,

R^9 and R^{10} independently of one another stand in each case for hydrogen or methyl,

and

in which pyrazolyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, cyclopropyl, cyclobutyl, cyclopentyl,

R^5 stands for hydrogen, methyl or ethyl,

R^6 stands for $(\text{C}_1\text{—C}_6)\text{-alkyl}$, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiaz-

olyl, pyridyl or pyrimidinyl,

in which (C₁-C₆)-alkyl is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl cyclopropyl, cyclobutyl, cyclopentyl, trifluoromethoxy, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl,

in which

p denotes the number 0 or 1,

R⁹ and R¹⁰ each stand, independently of one another, for hydrogen, methyl, ethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl or cyclobutyl,

and

in which cyclopropyl, cyclobutyl, cyclopentyl, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo and hydroxy,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidinyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo, azetidiny and pyrrolidinyl,

or

R^5 and R^6 form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperidiny, piperazinyl, morpholinyl, pyrazolyl or imidazolyl ring, in which the azetidiny, pyrrolidiny, imidazolidiny, piperidiny, dihydropiperidiny, piperazinyl, morpholinyl, pyrazolyl and imidazolyl ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy and trifluoromethoxy,

R^2 stands for 2-fluorophenyl, 2,3-difluorophenyl or 3-fluoropyrid-2-yl,

or a salt thereof.

6. The compound of claim 1, in which

L stands for a group $\#^1 - CR^{7A}R^{7B} - \#^2$,

wherein

$\#^1$ stands for the point of attachment to the carbonyl group,

$\#^2$ stands for the point of attachment to the pyrimidine ring,

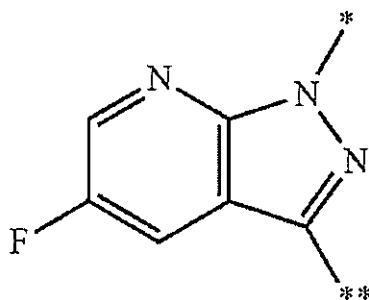
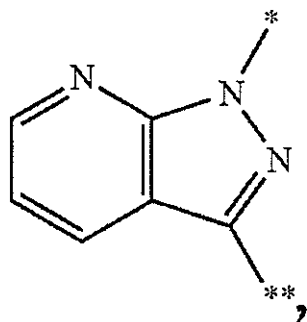
R^{7A} stands for methyl,

R^{7B} stands for methyl,

or

R^{7A} and R^{7B} together with the carbon atom to which they are bound, form a tetrahydrofuranyl ring,

the ring Q stands for a group of formula



wherein

* stands for the point of attachment to $\text{—CH}_2\text{—R}^2$,

** stands for the point of attachment to the pyrimidine,

R^3 stands for —OR^4 or $\text{—NR}^5\text{R}^6$,

wherein

R^4 stands for $(\text{C}_1\text{—C}_6)\text{-alkyl}$ or pyrazolyl,

in which $(\text{C}_1\text{—C}_6)\text{-alkyl}$ can be substituted with 1 to 3 substituents selected independently of one another from the group fluorine, trifluoromethyl, $\text{—(C=O)}_p\text{—OR}^9$ and $\text{—(C=O)}_p\text{—NR}^9\text{R}^{10}$,

in which

p denotes the number 0 or 1,

R^9 and R^{10} independently of one another stand in each case for hydrogen or methyl,

and

in which pyrazolyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, cyclopropyl, cyclobutyl, cyclopentyl,

R^5 stands for hydrogen, methyl or ethyl,

R^6 stands for $(\text{C}_1\text{—C}_6)\text{-alkyl}$, oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidiny, tetrahydropyranyl, piperidiny, piperaziny, morpholiny, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl or pyrimidiny,

in which $(\text{C}_1\text{—C}_6)\text{-alkyl}$ is substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl cyclopropyl, cyclobutyl, cyclopentyl, tri-

fluoromethoxy, $-(C=O)_p-OR^9$, $-(C=O)_p-NR^9R^{10}$, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl,

in which

p denotes the number 0 or 1,

R^9 and R^{10} each stand, independently of one another, for hydrogen, methyl, ethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, cyclopropyl or cyclobutyl,

and

in which cyclopropyl, cyclobutyl, cyclopentyl, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, phenyl, furanyl, pyrazolyl, imidazolyl, triazolyl and pyridyl for their part can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, chlorine, cyano, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo and hydroxy,

in which oxetanyl, azetidiny, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl, piperidinyl, piperazinyl, morpholinyl, phenyl, pyrazolyl, oxazolyl, thiazolyl, triazolyl, oxadiazolyl, thiadiazolyl, pyridyl and pyrimidinyl can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, difluoromethyl, trifluoromethyl, methyl, ethyl, oxo, azetidiny and pyrrolidinyl,

or

R^5 and R^6 form, together with the nitrogen atom to which they are bound, an azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperidinyl, piperazinyl, morpholinyl, pyrazolyl or imidazolyl ring, in which the azetidiny, pyrrolidinyl, imidazolidinyl, piperidinyl, dihydropiperidinyl, piperazinyl, mor-

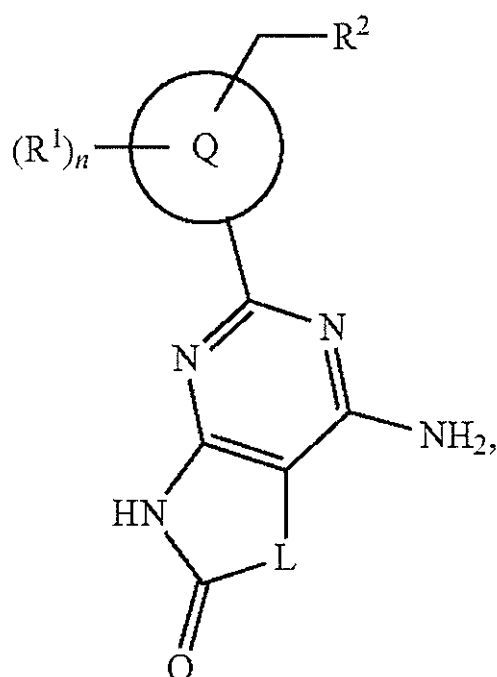
pholinyl, pyrazolyl and imidazolyl ring can be substituted with 1 or 2 substituents selected independently of one another from the group fluorine, cyano, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, 1,1,2,2,2-pentafluoroethyl, methyl, ethyl, 1-hydroxyethyl, cyclopropyl, cyclobutyl, cyclopentyl, hydroxy, oxo, methoxy, ethoxy, difluoromethoxy and trifluoromethoxy,

R^2 stands for 2-fluorophenyl, 2,3-difluorophenyl or 3-fluoropyrid-2-yl,
or a salt thereof.

7. A pharmaceutical composition comprising the compound of claim 1 and an inert, non-toxic, pharmaceutically suitable excipient.

8. A method of production of compounds of formula (I), as defined in claim 1, comprising:

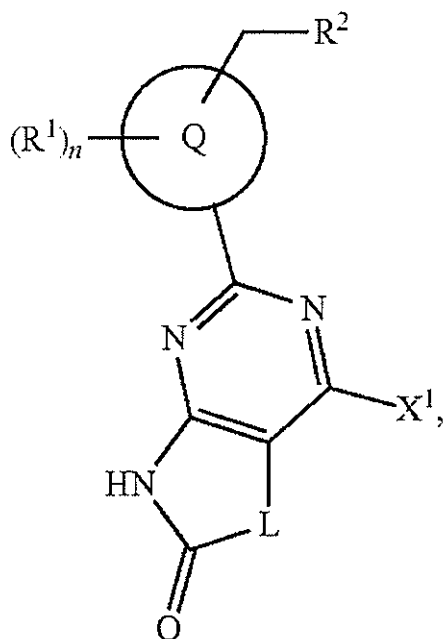
converting compound of formula (II)



in which n, L, Q, R¹ and R² in each case have the meanings stated in claim 1,

in an inert solvent with isopentyl nitrite and a halogen equivalent into a compound of formula (III)

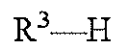
(III)



in which n, L, Q, R¹ and R² in each case have the meanings given in claim 1 and

X¹ stands for bromine or iodine

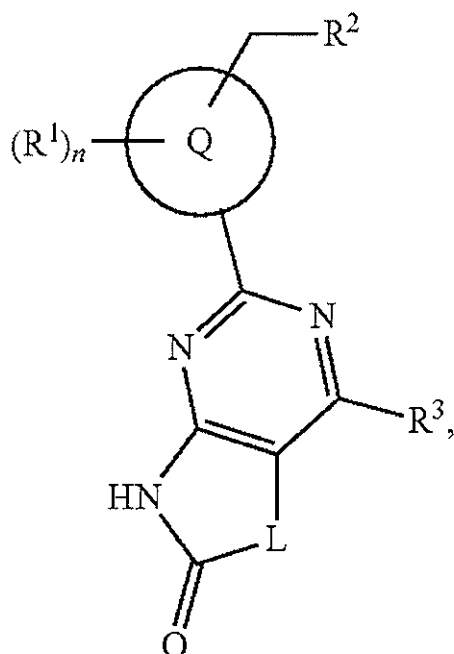
reacting the compound of formula (III) in an inert solvent, optionally in the presence of a suitable base, with a compound of formula (IV)



(IV),

in which R^3 has the meaning given in claim 1,
thereby producing a compound of formula (I)

(I)



in which n , L , Q , R^1 , R^2 and R^3 in each case have the meanings given in claim 1,

and optionally the resultant compounds of formula (I)
optionally with the corresponding (i) solvents and/or (ii)
acids or bases are transformed to their solvates, salts
and/or solvates of the salts.