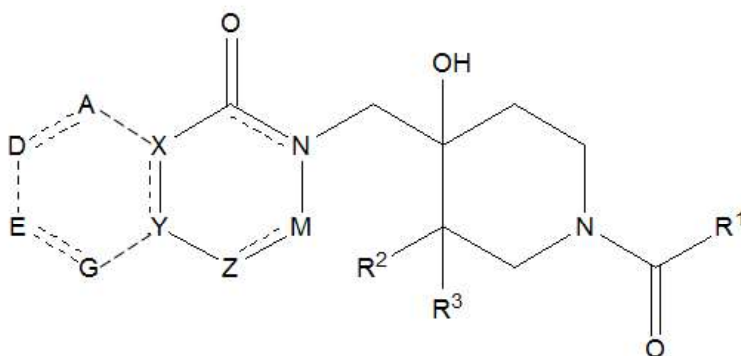


that USP19 may also be involved in the regulation of RAR-mediated adipogenesis (Lim K. *et al.*, *Oncotarget* (2016), 7, 34759-34772).

The established and ever growing connections between USP19 and numerous proteins involved in human pathologies indicate that small molecule inhibitors of USP19 may have broad therapeutic applications beneficial to human health. Insofar as is known however, no inhibitors targeting USP19 have been reported and the identification of such inhibitors with drug-like potential therefore remains of prime importance and high priority.

SUMMARY

In one aspect, the present disclosure provides use of a compound of formula (I):



(I)

wherein

R^1 is optionally substituted C1-C6 alkyl, optionally substituted C4-C10 alkylcycloalkyl, optionally substituted C6-C10 alkylaryl, optionally substituted C5-C8 aryl, optionally substituted C3-C8 heteroaryl, optionally substituted C3-C8 heterocycloalkyl, NR^aR^b , $NR^aCH_2R^b$, OR^a , or OCH_2R^a

wherein R^a and R^b are independently selected from H, C1-C6 alkyl, CF₃, optionally substituted C3-C6 cycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C6-C9 arylalkyl, and optionally substituted C2-C8 heteroaryl, and wherein when R^1 is $NR^aCH_2R^b$, the methylene group may be optionally substituted with CF₃,

or R^1 is NR^aR^b and R^a and R^b together form an optionally substituted C2-C9 heterocycle together with the N to which they are attached;

R^2 and R^3 are independently selected from H, and C1-C6 alkyl, or together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl with the carbon to which they are attached;

X is absent, C, CR^{4a} , $CR^{4a}R^{4b}$, N, NR^{4a} , or C=O,

wherein R^{4a} and R^{4b} are independently selected from H, optionally substituted C1-C6 alkyl and halo;

or wherein R^{4a} and R^{4b} together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

5 Y is C, CR⁵, CR⁵R⁶, N, NR⁵, or O,

wherein R⁵ and R⁶ are independently selected from H, halo, optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C6-C9 arylalkyl, optionally substituted C3-C8 heteroaryl, CH₂OH, NR'R'', NS(O)R'R'', SO₂R', C(O)R', COR', C(O)OR', C(O)NR'R'', OR', wherein R' and R'' are
10 independently selected from H, C1-C6 alkyl, C5-C8 aryl, C6-C9 arylalkyl, and C3-C8 heteroaryl, or wherein R⁵ is NR'R'' and R' and R'' together form an optionally substituted C3-6 heterocycloalkyl including the nitrogen to which they are attached,

or wherein R⁵ and R⁶ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

15 Z is N, NR⁷, C, CR⁷, CR⁷R⁸, or C=O,

wherein R⁷ and R⁸ are independently selected from H, halo, C1-C6 alkyl, C2-C6 alkene, C2-C6 alkyne, C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C3-C8 heteroaryl, CN, C(O)OR^c, CONR^cR^d, NR^cR^d, NS(O)R^cR^d, S(O)(R^c)NR^d, SOR^c, SO₂R^c, and SR^c, wherein R^c and R^d are independently H, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C6 aryl, C6-C9 arylalkyl, C3-C6 heteroaryl, CN, COOH, or COCH₃ or R^c and R^d together form an optionally
20 substituted C3-C7 heterocycle together with the heteroatom to which they are attached;

or wherein R⁷ and R⁸ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

25 M is absent, C, CR¹³ or CR¹³R¹⁴, wherein R¹³ and R¹⁴ are independently selected from H, and C1-C6 alkyl, or wherein R¹³ and R¹⁴ together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl together with the carbon to which they are attached;

and

A is CR⁹, CHR⁹, N, NR⁹, S, or O;

D is CR⁹, CHR⁹, N or NR⁹,

30 G is absent, CR⁹, CHR⁹, or N,

wherein R⁹ is independently selected from H, halo, C1-C6 alkyl, CF₃, and OR*, wherein R* is selected from optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl, and optionally substituted C3-C6 heterocycloalkyl,

E is CR¹⁰, CHR¹⁰, N, NR¹⁰, S, or O,

35 wherein R¹⁰ is selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, SR^x, OR^x, NR^xR^y, and NS(O)R^xR^y, S(O)(R^x)NR^y

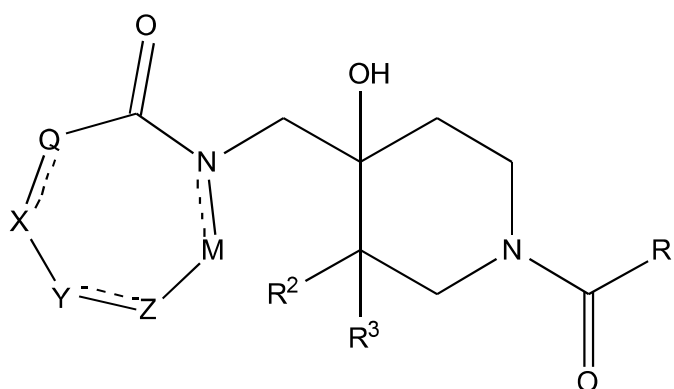
wherein R^x and R^y are independently selected from H, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, COOH, amido, cyano, C2-C6 alkene, C2-C6 alkyne, or

wherein R^x and R^y together form an optionally substituted C4-C6 heterocycloalkyl together with the nitrogen to which they are attached;

or A, D, E and G are all absent, optionally wherein X and M are absent, or optionally wherein Y and Z together form an optionally substituted C5-C6 aryl or C5-C6 heteroaryl fused ring or Z and M together form an optionally substituted C5-C6 aryl or C5-C6 heteroaryl fused ring;

or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

In another aspect, the present disclosure provides use of a compound of formula (Ia),



(Ia)

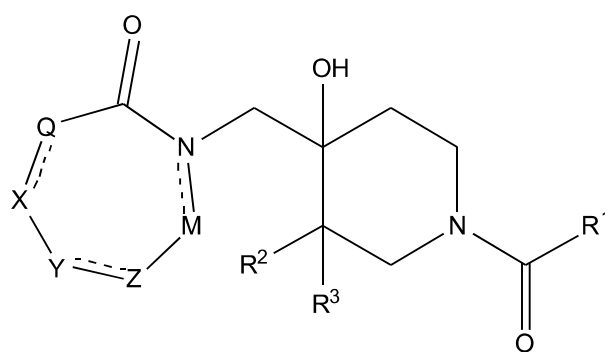
wherein Q is selected from CR¹¹, or CR¹¹R¹², NR¹¹ or O, where R¹¹ and R¹² are independently selected from H, OH, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, optionally substituted C5-C8 aryl, C4-C8 heteroaryl, or wherein R¹¹ and R¹² together form an optionally substituted C3-C5 carbocycle together with the C to which they are attached,

and wherein each of X, Y, Z and M are present and as defined herein, wherein the ring QXYZM is aliphatic or aromatic, preferably aliphatic;

and wherein R¹, R², and R³ are as defined herein;

or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

In another aspect, the present disclosure provides a use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt as described herein, wherein the compound is according to formula (Ia)



(Ia)

wherein the ring including QXYZM is aliphatic;

5 wherein Q is CHR^{11} , where R^{11} is selected from H, OH, C1-C6 alkyl, CF_3 , C3-C6 cycloalkyl, C5-C8 aryl, or C4-C8 heteroaryl;

X is CHR^{4a} , wherein R^{4a} is selected from H, C1-C6 alkyl or halo, preferably wherein R^{4a} is methyl;

10 Y is CR^5R^6 wherein R^5 and R^6 are independently selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C8 aryl, C3-C8 heteroaryl, CH_2OH , $\text{NR}'\text{R}''$, and OR' , wherein R' and R'' are independently selected from H and C1-C6 alkyl; preferably wherein Y is CH_2

15 Z is CR^7R^8 , wherein R^7 and R^8 are independently selected from H, halo, C1-C6 alkyl, C2-C6 alkene, C2-C6 alkyne, C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C3-C8 heteroaryl, CN, COOR^c , CONR^cR^d , NR^cR^d , $\text{NS(O)R}^c\text{R}^d$, $\text{S(O)(R}^c\text{)NR}^d$, SOR^c , SO_2R^c , and SR^c , wherein R^c and R^d are independently H, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C6 aryl, C6-C9 arylalkyl, C3-C6 heteroaryl, CN, COOH, or COCH_3 or R^c and R^d together form an optionally substituted C3-C7 heterocycle together with the heteroatom to which they are attached,
20 or wherein R^7 and R^8 together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached; and

M is $\text{CR}^{13}\text{R}^{14}$, wherein R^{13} and R^{14} are independently selected from H, and C1-C6 alkyl, or wherein R^{13} and R^{14} together form a C3-C6 cycloalkyl together with the carbon to which they are attached;
25 preferably wherein M is CH_2 or CHCH_3 , optionally wherein the ring including QXYZM is aliphatic, Q is CH_2 , X is CHCH_3 , Y is CH_2 , Z is CHCH_3 and M is CH_2 .

In yet another aspect, the present disclosure provides use of a compound according to formula (I) selected from:

30 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)pyrazin-2(1*H*)-one

1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-phenylpyrazin-2(1*H*)-one

35 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one

- 1-((7-((*R*)-3-Cyclobutyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(*1H*)-one
- 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(*1H*)-one
- 5 5-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(*1H*)-one
- 5-Bromo-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(*1H*)-one
- 10 Methyl 4-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-oxo-4,5-dihydropyrazine-2-carboxylate
- 15 4-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-oxo-4,5-dihydropyrazine-2-carboxylic acid
- 4-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-5-oxo-4,5-dihydropyrazine-2-carboxamide
- 20 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(piperazine-1-carbonyl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(pyridin-3-yl)pyrazin-2(*1H*)-one
- 25 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(2-oxopyrrolidin-1-yl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(pyridin-4-yl)pyrazin-2(*1H*)-one
- 30 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(1*H*-indazol-1-yl)pyrazin-2(*1H*)-one and 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(2*H*-indazol-2-yl)pyrazin-2(*1H*)-one
- 35 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(1*H*-pyrazol-5-yl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(1*H*-pyrazol-1-yl)pyrazin-2(*1H*)-one
- 40 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(pyridin-3-yl)pyrazin-2(*1H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(pyridin-4-yl)pyrazin-2(*1H*)-one
- 45 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-methylpyrazin-2(*1H*)-one
- 50 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-cyclopropylpyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(pyridin-2-yl)pyrazin-2(*1H*)-one
- 55

- (*R*)-4-(2-Fluorophenyl)-1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)piperazin-2-one
- 1-(((*R*)-1-((*S*)-3-Cyclohexyl-2-(hydroxymethyl)propanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenylpiperidine-3-carboxamide and 1-(((*S*)-1-((*S*)-3-Cyclohexyl-2-(hydroxymethyl)propanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenylpiperidine-3-carboxamide
- 2-(((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)isoindolin-1-one
- 4*S*)-1-(((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-4-phenylpyrrolidin-2-one
- (4*R*)-1-(((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-4-phenylpyrrolidin-2-one
- 4-Benzyl-1-(((1-((*R*)-3-cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)pyrrolidin-2-one
- 4-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 4-(((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 1-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3-propyl-1,3-dihydro-2*H*-benzo[*d*]imidazol-2-one
- 1-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-(hydroxymethyl)pyrrolidin-2-one
- 4-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2*H*-pyrido[3,2-*b*][1,4]oxazin-3(4*H*)-one
- 1-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)indoline-2,3-dione
- 8-Amino-4-(((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2*H*-benzo[*b*][1,4]oxazin-3(4*H*)-one
- tert*-Butyl 4-(((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3-oxopiperazine-1-carboxylate
- 1-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- (4*S*)-1-(((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyrrolidin-2-one
- 4-Benzyl-1-(((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrrolidin-2-one
- 2-(((1-(3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)isoindoline-1,3-dione
- 4-Benzyl-1-(((1-(3-cyclohexyl-2-methylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)pyrrolidin-2-one
- 4-Benzyl-1-(((4-hydroxy-3,3-dimethyl-1-(2-methyl-3-phenylpropanoyl)piperidin-4-yl)methyl)pyrrolidin-2-one
- 4-Benzyl-1-(((1-(3-cyclohexylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)pyrrolidin-2-one

- 2-((1-(3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-2-azaspiro[4.5]decan-3-one
- 5 Benzyl 4-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3-oxopiperazine-1-carboxylate
- 4-Acetyl-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 10 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-(methylsulfonyl)piperazin-2-one
- 15 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpiperazin-2-one
- 2-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-[1,2,4]triazolo[4,3-*a*]pyridin-3(2*H*)-one
- 20 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dimethoxyquinazolin-4(3*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one
- 25 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-6-(methylthio)-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one
- 30 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylthio)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylthio)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 35 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylamino)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 2-(Dimethylamino)-6-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 40 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-methoxypyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-morpholinopyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 45 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(4-methylpiperazin-1-yl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 50 2-((Dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-6-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(piperazin-1-yl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 55 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-6-(methylthio)-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one

- 1-(((*R*)-1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-4-(2-fluorophenyl)pyridin-2(1*H*)-one and 1-(((*S*)-1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-4-(2-fluorophenyl)pyridin-2(1*H*)-one
- 5 4-Chloro-1-((1-((*R*)-3-cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(*S*-methylsulfonimidoyl)pyridin-2(1*H*)-one
- 10 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)pyridin-2(1*H*)-one
- 15 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)pyridin-2(1*H*)-one
- 20 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-4-phenylpyridin-2(1*H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-5-phenylpyridin-2(1*H*)-one
- 25 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 5-((Dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 30 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylthio)pyridin-2(1*H*)-one
- 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfonyl)pyridin-2(1*H*)-one
- 35 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylthio)-4-phenylpyridin-2(1*H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfinyl)-4-phenylpyridin-2(1*H*)-one
- 40 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfonyl)-4-phenylpyridin-2(1*H*)-one
- 45 *N*-Benzyl-4-((4-(2-fluorophenyl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-4-hydroxy-*N*-methylpiperidine-1-carboxamide
- N*-(Cyclohexylmethyl)-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N*-methyl-7-azaspiro[4.5]decane-7-carboxamide
- 50 4-Nitrophenyl 10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxylate
- Isobutyl 10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxylate

- N*-Benzyl-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 5 10-((5-(Dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N,N*-dimethyl-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N*-methyl-7-azaspiro[4.5]decane-7-carboxamide
- 10 1-((10-Hydroxy-7-(3-(trifluoromethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenyl-1,6-dihydropyridine-3-carboxamide
- N*-Cyclohexyl-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N*-methyl-7-azaspiro[4.5]decane-7-carboxamide
- 15 1-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one
- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one
- 20 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-methylpyrazin-2(1*H*)-one
- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-3-methylpyrazin-2(1*H*)-one
- 25 (6*R*)-4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methylmorpholin-3-one
- 6-Cyclopropyl-4-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 30 4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-oxa-4-azaspiro[2.5]octan-5-one
- 35 4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methylmorpholin-3-one
- 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(methoxymethyl)piperidin-2-one
- 40 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4,6-dimethylazepan-2-one
- 4-Ethyl-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperidin-2-one
- 45 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylazetidin-2-one
- 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5,6-dihydro-7*H*-pyrrolo[3,4-*b*]pyridin-7-one
- 50 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dihydro-5*H*-pyrrolo[3,4-*b*]pyridin-5-one

- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dihydro-5*H*-pyrrolo[3,4-*b*]pyridin-5-one
- 5 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)isoindolin-1-one
- 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,3-dihydro-1*H*-pyrrolo[3,4-*c*]pyridin-1-one
- 10 10-((4-Benzoyl-2-oxopiperazin-1-yl)methyl)-*N*-benzyl-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 4-Benzoyl-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 15 *N*-Benzyl-10-hydroxy-10-((2-oxo-4-phenylpiperazin-1-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpiperazin-2-one
- 20 10-((4-Acetyl-2-oxopiperazin-1-yl)methyl)-*N*-benzyl-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 4-Acetyl-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 25 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(pyridin-2-yl)piperazin-2-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-methylpiperazin-2-one
- 30 *N*-Benzyl-10-((4-(4,4-dimethylcyclohexyl)-2-oxopiperazin-1-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 4-(4,4-Dimethylcyclohexyl)-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 35 4-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 4-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 40 7-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7,8-dihydroimidazo[1,2-*a*]pyrazin-6(5*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-methylquinazolin-4(3*H*)-one
- 45 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-fluoroisoquinolin-1(2*H*)-one
- 50 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyisoquinolin-1(2*H*)-one
- 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)thieno[2,3-*d*]pyrimidin-4(3*H*)-one

- 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-ethyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 5 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-8-methylquinazolin-4(3*H*)-one
- 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(trifluoromethyl)isoquinolin-1(2*H*)-one
- 10 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyisoquinolin-1(2*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 15 7-Chloro-3-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 20 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-1-oxo-1,2-dihydroisoquinoline-4-carboxamide
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-8-fluoroquinazolin-4(3*H*)-one
- 25 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)thieno[2,3-*d*]pyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyquinazolin-4(3*H*)-one
- 30 7-Chloro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 7-Fluoro-2-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)isoquinolin-1(2*H*)-one
- 35 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 40 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)furo[3,2-*c*]pyridin-4(5*H*)-one
- 45 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyquinazolin-4(3*H*)-one
- 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dimethoxyisoquinolin-1(2*H*)-one
- 50 1-Ethyl-5-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one

- 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)thieno[3,2-*c*]pyridin-4(5*H*)-one
- 5 6-Chloro-3-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)thieno[3,2-*d*]pyrimidin-4(3*H*)-one
- 10 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-1-oxo-1,2-dihydroisoquinoline-4-carboxamide
- 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dimethoxyisoquinolin-1(2*H*)-one
- 15 6-Chloro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 20 6-Fluoro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 6-Chloro-7-fluoro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 25 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[3,4-*b*]pyrazin-5(6*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-difluoroquinazolin-4(3*H*)-one
- 30 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-ethyl-2,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-methylpyrido[3,4-*d*]pyrimidin-4(3*H*)-one
- 35 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-fluoroquinazolin-4(3*H*)-one
- 40 6-Chloro-3-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-fluoroquinazolin-4(3*H*)-one
- 7-Fluoro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 45 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-4(3*H*)-one
- 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 50 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one

- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-(methylthio)pyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 5 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-(methylthio)pyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-morpholinopyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 10 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-(4-methylpiperazin-1-yl)pyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 6-Fluoro-3-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 15 6,7-Difluoro-3-((10-hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 20 2-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 1-Benzyl-5-((10-hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 25 1-Benzyl-5-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 6-Fluoro-3-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 30 6,7-Difluoro-3-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 2-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 35 1-Benzyl-5-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 40 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-methyl-2,6-dihydro-7*H*-pyrazolo[4,3-*d*]pyrimidin-7-one
- 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one
- 45 2-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one
- 50 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-phenyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 5-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-phenyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one

- 5-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-phenyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 5 6-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-methyl-2,6-dihydro-7*H*-pyrazolo[4,3-*d*]pyrimidin-7-one
- 5-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 10 1-Cyclopropyl-5-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 15 5-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 20 6-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylthio)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 6-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 25 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylthio)-4-phenylpyridin-2(1*H*)-one
- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfinyl)-4-phenylpyridin-2(1*H*)-one
- 30 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfonyl)-4-phenylpyridin-2(1*H*)-one
- 35 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 1-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 40 5-((Dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-1-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- N*-Benzyl-10-hydroxy-10-((2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 45 *N*-Benzyl-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-8-((4-(2-fluorophenyl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-8-hydroxy-5-azaspiro[2.5]octane-5-carboxamide
- 50 *N*-Benzyl-4-((4-(2-fluorophenyl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-4-hydroxy-3,3-dimethylpiperidine-1-carboxamide
- 10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(2,2,2-trifluoroethyl)-7-azaspiro[4.5]decane-7-carboxamide

- 10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(pyridin-2-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 *N*-Benzyl-10-((4-chloro-6-oxopyrimidin-1(6*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(pyridin-3-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10 *N*-Benzyl-10-hydroxy-10-((6-oxo-4-(pyridin-3-yl)pyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-hydroxy-10-((6-oxo-4-(pyridin-4-yl)pyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 15 *N*-Benzyl-10-hydroxy-10-((6-oxo-4-(pyrrolidin-1-yl)pyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-hydroxy-10-((4-morpholino-6-oxopyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 *N*-Benzyl-10-hydroxy-10-((4-(1-methyl-1*H*-pyrazol-4-yl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-hydroxy-10-((4-(1-methyl-1*H*-pyrazol-5-yl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 25 3-((10-Hydroxy-7-(2-(trifluoromethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 3-((10-Hydroxy-7-((*R*)-2-methylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(2-isopropylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 3-((7-(3-Azabicyclo[3.1.0]hexane-3-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 3-(((*S*)-10-Hydroxy-7-((*S*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((*S*)-10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 45 3-(((*S*)-10-Hydroxy-7-((*S*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((*S*)-10-Hydroxy-7-((*S*)-2-phenylpyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 50 (*S*)-10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(thiophen-2-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- (*S*)-*N*-(4-Cyanobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide

- (S)-N-(3-Fluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 (S)-N-(Benzo[d][1,3]dioxol-5-ylmethyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-N-((5-Cyclopropyl-1,2,4-oxadiazol-3-yl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10 (S)-N-(Furan-2-ylmethyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 6-Chloro-3-(((S)-10-hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 15 (S)-3-((10-Hydroxy-7-(3-(trifluoromethyl)azetidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 20 6-Cyclopropyl-3-(((S)-10-hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(pyrrolidin-1-yl)pyrimidin-4(3H)-one
- 25 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1H-pyrazol-5-yl)pyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1H-pyrazol-4-yl)pyrimidin-4(3H)-one
- 30 6-(Dimethylamino)-3-(((S)-10-hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 35 3-(((10S)-10-Hydroxy-7-(3-(trifluoromethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-(((S)-7-((R)-3-(4-Fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 40 3-((7-(3-(Cyclopropylmethyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-((7-(3-Cyclobutylmorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 45 3-((10-Hydroxy-7-(3-(methoxymethyl)morpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 50 N-(Furan-3-ylmethyl)-10-hydroxy-N-methyl-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((10-Hydroxy-7-(2-methylpyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

- N*-Cyclobutyl-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 3-((10-Hydroxy-7-(3-(thiophen-2-yl)morpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(6-oxa-1-azaspiro[3.4]octane-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 3-((7-(3-Cyclopropylpyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 10-Hydroxy-*N*-(isothiazol-5-ylmethyl)-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-((3-Fluorocyclobutyl)methyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 3-((7-(2,2-Dimethylpyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(4-(Difluoromethyl)piperidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 *N*-(Furan-2-ylmethyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((7-(2-Oxa-5-azabicyclo[4.1.0]heptane-5-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 10-Hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(pyridin-3-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 35 3-((10-Hydroxy-7-(2-(pyridin-3-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(3-(1*H*-Pyrrol-1-yl)pyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 *N*-(1-Cyclopropylethyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 45 3-((7-(3-Cyclopropylmorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(2-(pyridin-4-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 50 3-((10-Hydroxy-7-(5-azaspiro[2.5]octane-5-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- N*-(3-Cyanobenzyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide

- 3-((7-(3-Cyclopropylazetidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 3-((7-(2,2-Difluoromorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- N*-(2-Fluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10 *N*-(1-(Furan-3-yl)ethyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 15 10-Hydroxy-*N*-((1-methylcyclopropyl)methyl)-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-(3-Cyanobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 *N*-(4-(Cyanomethyl)benzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-((5,6-Dihydro-2*H*-pyran-3-yl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 25 *N*-((1,3-Dihydroisobenzofuran-5-yl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 30 3-((10-Hydroxy-7-(4-oxa-1-azaspiro[5.5]undecane-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(3-(Difluoromethyl)pyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 3-((10-Hydroxy-7-(3-(trifluoromethyl)morpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(2-Cyclopropylpyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 3-((10-Hydroxy-7-((*S*)-2-(isoxazol-3-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 45 (2*S*)-1-(10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carbonyl)-*N,N*-dimethylpyrrolidine-2-carboxamide
- 3-((10-Hydroxy-7-((*S*)-2-(thiophen-2-ylmethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 50 3-((7-((*S*)-2-(1*H*-1,2,4-Triazol-5-yl)pyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*S*)-2-(5-methyl-1*H*-1,2,4-triazol-3-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

- 3-((10-Hydroxy-7-((*S*)-2-(4-isopropoxyloxazol-2-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 3-((10-Hydroxy-7-(2-(2-methoxyphenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(2-(3-methoxyphenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 3-((10-Hydroxy-7-(2-(4-methoxyphenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(2-(pyridin-3-yl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-((7-(2-Cyclopropylpiperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 3-((7-(2-Cyclobutylpiperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(2-(methoxymethyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 3-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((*S*)-7-((*R*)-4-Acetyl-2-phenylpiperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 2-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-phenylpyridazin-3(2*H*)-one
- 35 3-(((*S*)-10-Hydroxy-7-((*R*)-4-methyl-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 6-Chloro-3-(((*S*)-7-((*R*)-3-(4-fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 40 1-(((*S*)-4-Hydroxy-3,3-dimethyl-1-((*R*)-3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenyl-1,6-dihydropyridine-3-carboxamide
- 3-(((*S*)-7-((*R*)-3-(4-Fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-5-yl)pyrimidin-4(3*H*)-one
- 45 3-(((*S*)-7-((*R*)-3-(4-Fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-4-yl)pyrimidin-4(3*H*)-one
- 50 1-(((*S*)-4-Hydroxy-3,3-dimethyl-1-((*R*)-3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 1-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one

- 1-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-2-phenylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-4-phenylpyridin-2(1H)-one
- 5 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1H-pyrazol-5-yl)pyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(pyrrolidin-1-yl)pyrimidin-4(3H)-one
- 10 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1H-pyrazol-4-yl)pyrimidin-4(3H)-one
- 6-Cyclopropyl-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 15 3-(((S)-7-((R)-3-(1H-Benzo[d]imidazol-2-yl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- (S)-10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-N-((R)-2,2,2-trifluoro-1-phenylethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 (R)-3-((4-Hydroxy-1-(3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-((5-Hydroxy-2-((R)-3-phenylmorpholine-4-carbonyl)-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 25 (R)-3-((4-Hydroxy-1-(2-phenylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-((5-Hydroxy-2-((R)-2-phenylpiperazine-1-carbonyl)-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 30 (S)-3-((10-Hydroxy-7-(2-phenylpyrazolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 35 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methylpyrimidin-4(3H)-one
- (S)-N-(2,3-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 40 (S)-N-(2,6-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-N-(2,4-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 45 (S)-N-(3,4-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((9-Hydroxy-6-((R)-3-phenylmorpholine-4-carbonyl)-6-azaspiro[3.5]nonan-9-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 50 3-((9-Hydroxy-6-((R)-2-phenylpiperazine-1-carbonyl)-6-azaspiro[3.5]nonan-9-yl)methyl)-6-phenylpyrimidin-4(3H)-one

- (S)-N-((3,3-Difluorocyclobutyl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 (S)-N-(1,1,1,3,3,3-Hexafluoropropan-2-yl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-10-Hydroxy-10-((2-oxo-4-phenylpyridin-1(2H)-yl)methyl)-N-((R)-2,2,2-trifluoro-1-phenylethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10 3-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- (S)-N-((1-Fluorocyclopropyl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 15 (S)-N-((1-Fluorocyclobutyl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-N-(Cyclopropylmethyl)-10-hydroxy-N-methyl-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 6-(2-Fluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 25 6-(3-Fluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 6-(4-Fluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 30 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-methoxyphenyl)pyrimidin-4(3H)-one
- 6-(Dimethylamino)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 35 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(methylamino)pyrimidin-4(3H)-one
- 40 3-(((S)-7-((R)-2-(3-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-((5-Hydroxy-2-((R)-2-phenylpiperazine-1-carbonyl)-9-oxa-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 45 3-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-2-phenylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 50 3-(((S)-10-Hydroxy-7-((R)-2-phenyl-4-(2,2,2-trifluoroethyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methoxypyrimidin-4(3H)-one

- 3-(((5-Hydroxy-2-((*R*)-3-phenylmorpholine-4-carbonyl)-9-oxa-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 4-Chloro-1-(((*S*)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyridin-2(1*H*)-one
- 4-Cyclopropyl-1-(((*S*)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyridin-2(1*H*)-one
- 10 1-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(1-methyl-1*H*-pyrazol-5-yl)pyridin-2(1*H*)-one
- 15 1-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(1-methyl-1*H*-pyrazol-4-yl)pyridin-2(1*H*)-one
- 1-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(pyrrolidin-1-yl)pyridin-2(1*H*)-one
- 20 5-Fluoro-1-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 3-Fluoro-1-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 25 (*S*)-3-((10-Hydroxy-7-(3-phenylthiomorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((10*S*)-10-Hydroxy-7-(1-imino-1-oxido-3-phenyl-1λ⁶-thiomorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 (*S*)-3-((7-(1,1-Dioxido-3-phenylthiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one, and
- 35 3-(((10*S*)-10-Hydroxy-7-(2-(4-(trifluoromethyl)phenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one,
- 3-(((10*S*)-10-Hydroxy-7-(2-(thiophen-3-yl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 3-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(3-methoxyphenyl)pyrimidin-4(3*H*)-one
- 3-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(4-methoxyphenyl)pyrimidin-4(3*H*)-one
- 45 3-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*o*-tolyl)pyrimidin-4(3*H*)-one
- 50 3-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*m*-tolyl)pyrimidin-4(3*H*)-one
- 3-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*p*-tolyl)pyrimidin-4(3*H*)-one

- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(thiophen-2-yl)pyrimidin-4(3H)-one
- 5 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(thiophen-3-yl)pyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(5-methoxythiophen-2-yl)pyrimidin-4(3H)-one
- 10 6-(2,3-Dihydrobenzofuran-5-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 6-(1,3-Dihydroisobenzofuran-5-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 15 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(piperidin-1-yl)pyrimidin-4(3H)-one
- 20 6-(4-Chlorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 6-(4-Cyclopropoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 25 6-(4,4-Difluoropiperidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 6-(3-Azabicyclo[3.1.0]hexan-3-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 30 6-(2,3-Dihydrobenzofuran-6-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-(trifluoromethoxy)phenyl)pyrimidin-4(3H)-one
- 35 6-(2-Fluorophenyl)-3-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 40 3-(((S)-7-((R)-2-(3-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-methoxyphenyl)pyrimidin-4(3H)-one
- 6-(3,3-Difluoroazetidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 45 3-(((10S)-10-Hydroxy-7-(2-(thiophen-2-yl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 50 6-(3,3-Difluoropyrrolidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-(trifluoromethyl)phenyl)pyrimidin-4(3H)-one

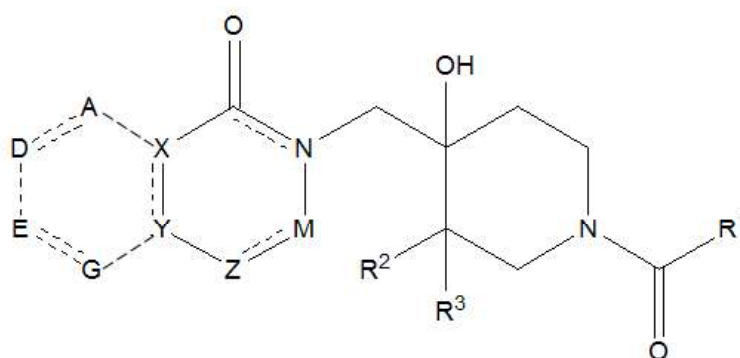
- 6-(4-Fluoropiperidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 5 1-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)pyridin-2(1H)-one
- 6-(3,3-Difluoropiperidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 10 6-(2-(Difluoromethoxy)phenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 15 6-(2-Cyclopropoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 20 6-(2-(Difluoromethyl)phenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 3-(((S)-7-((R)-2-(2,3-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 25 3-(((S)-7-((R)-2-(2,4-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-(((S)-7-((R)-2-(4-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 30 3-(((10S)-7-(2-(2-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1H-pyrazol-3-yl)pyrimidin-4(3H)-one
- 35 3-(((S)-10-Hydroxy-7-((R)-5-oxo-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 40 1-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1H)-one
- 6-(3-Fluorophenyl)-3-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 45 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(3-fluorophenyl)pyrimidin-4(3H)-one
- 50 6-Cyclopropyl-3-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 6-Cyclopropyl-3-(((S)-7-((R)-2-(2,5-difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one

- 3-(((10S)-7-(2-(3,4-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 3-(((10S)-7-(2-(3,5-difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 6-(2-Fluoro-6-methoxyphenyl)-3-(((S)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 10 6-(2-Fluoro-6-methylphenyl)-3-(((S)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 15 6-(3-Fluoro-2-methoxyphenyl)-3-(((S)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 6-(5-Fluoro-2-methoxyphenyl)-3-(((S)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 20 6-(2,3-Difluorophenyl)-3-(((S)-10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 3-(((S)-7-((*R*)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*m*-tolyl)pyrimidin-4(3*H*)-one
- 25 3-(((S)-7-((*R*)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-fluorophenyl)pyrimidin-4(3*H*)-one
- 3-(((S)-7-((*R*)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-methoxyphenyl)pyrimidin-4(3*H*)-one
- 30 6-(3-Azabicyclo[3.1.0]hexan-3-yl)-3-(((S)-7-((*R*)-2-(2,5-difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 35 3-(((S)-10-Hydroxy-7-((*R*)-2-methyl-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 4-((2-Fluorophenyl)-1-(((S)-7-((*R*)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyridin-2(1*H*)-one
- 40 3-(((S)-7-((*R*)-2-(3,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-fluorophenyl)pyrimidin-4(3*H*)-one
- 3-(((S)-7-((*R*)-3-(2,5-Difluorophenyl)thiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 45 3-(((S)-7-((*R*)-3-(2,5-Difluorophenyl)-1,1-dioxidothiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 50 3-(((10S)-7-((3*R*)-3-(2,5-Difluorophenyl)-1-imino-1-oxido-1λ⁶-thiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-7-((2*S*,4*S*)-4-Amino-2-phenylpiperidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 55 3-(((S)-7-((2*S*,4*R*)-4-Amino-2-phenylpiperidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

In a further aspect, the present disclosure provides use of a pharmaceutical composition comprising a compound as described herein or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent, in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

In a first example is provided a compound of formula (I):



(I)

wherein

R^1 is optionally substituted C1-C6 alkyl, optionally substituted C4-C10 alkylcycloalkyl, optionally substituted C6-C10 alkylaryl, optionally substituted C5-C8 aryl, optionally substituted C3-C8 heteroaryl, optionally substituted C3-C8 heterocycloalkyl, NR^aR^b , $NR^aCH_2R^b$, OR^a , or OCH_2R^a , wherein R^a and R^b are independently selected from H, C1-C6 alkyl, CF_3 , optionally substituted C3-C6 cycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C6-C9 arylalkyl, optionally substituted C2-C8 heteroaryl, and wherein when R^1 is $NR^aCH_2R^b$, the methylene group may be optionally substituted with CF_3 ,

or wherein R^1 is NR^aR^b and R^a and R^b together form an optionally substituted C2-C9 heterocycle together with the N to which they are attached;

R^2 and R^3 are independently selected from H, and C1-C6 alkyl, or together form a C3-C6 cycloalkyl or heterocycloalkyl with the carbon to which they are attached;

X is absent, C, CR^{4a} , $CR^{4a}R^{4b}$, N, NR^{4a} , or C=O,

wherein R^{4a} and R^{4b} are independently selected from H, optionally substituted C1-C6 alkyl or halo;

or wherein R^{4a} and R^{4b} together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

Y is C, CR^5 , CR^5R^6 , N, NR^5 , or O,

wherein R^5 and R^6 are independently selected from H, halo, optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C6-C9 arylalkyl, optionally substituted C3-C8 heteroaryl, CH_2OH , $NR'R''$, $NS(O)R'R''$, SO_2R' , COR' , $C(O)R'$, $C(O)OR'$, $C(O)NR'R''$, OR' , wherein R' and R'' are independently selected

from H, C1-C6 alkyl, C5-C8 aryl, C6-C9 arylalkyl, and C3-C8 heteroaryl, or wherein R⁵ is NR'R'' and R' and R'' together form an optionally substituted C3-6 heterocycloalkyl including the nitrogen to which they are attached or wherein R⁵ and R⁶ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

5

Z is N, NR⁷, C, CR⁷, CR⁷R⁸, or C=O,

wherein R⁷ and R⁸ are independently selected from H, halo, C1-C6 alkyl, C2-C6 alkene, C2-C6 alkyne, C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C3-C8 heteroaryl, CN, C(O)OR^c, CONR^cR^d, NR^cR^d, NS(O)R^cR^d, S(O)(R^c)NR^d, SOR^c, SO₂R^c, and SR^c, wherein R^c and R^d are independently H, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C6 aryl, C6-C9 arylalkyl, C3-C6 heteroaryl, CN, COOH, or COCH₃ or R^c and R^d together form an optionally substituted C3-C7 heterocycle together with the heteroatom to which they are attached;

10

or wherein R⁷ and R⁸ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

15

M is absent, C, CR¹³ or CR¹³R¹⁴, wherein R¹³ and R¹⁴ are independently selected from H, and C1-C6 alkyl, or wherein R¹³ and R¹⁴ together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl together with the carbon to which they are attached; and

20

A is CR⁹, CHR⁹, N, NR⁹, S, or O,

D is CR⁹, CHR⁹, N or NR⁹,

G is absent, CR⁹, CHR⁹, or N,

25

wherein R⁹ is selected from H, halo, C1-C6 alkyl, CF₃, and OR^{*}, wherein R^{*} is an optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl or optionally substituted heterocycloalkyl, for example optionally substituted C3-C6 heterocycloalkyl,

E is CR¹⁰, CHR¹⁰, N, NR¹⁰, S, or O,

30

wherein R¹⁰ is selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, SR^x, OR^x, NR^xR^y, and NS(O)R^xR^y, S(O)(R^x)NR^y,

wherein R^x and R^y are independently selected from H, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, COOH, amido, cyano, C2-C6 alkene, C2-C6 alkyne, or wherein R^x and R^y together form an optionally substituted C4-C6 heterocycloalkyl together with the nitrogen to which they are attached;

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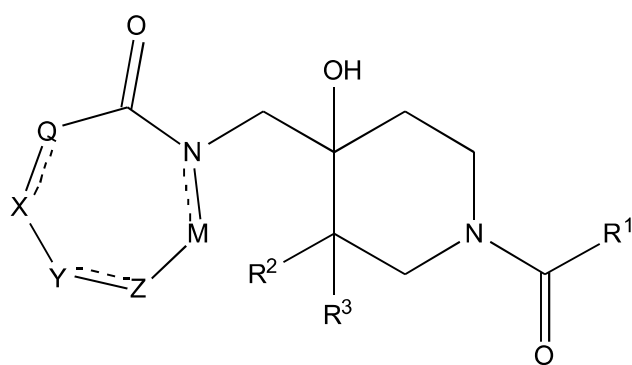
or A, D, E and G are all absent, and X, Y, Z and M are defined above, and optionally wherein both X and M are absent, or

optionally wherein Y and Z together form an optionally substituted C5-C6 aryl or C5-C6 heteroaryl fused ring or Z and M together form an optionally substituted C5-C6 aryl or C5-C6 heteroaryl fused ring;

40

or a stereoisomer, tautomer, hydrate, N-oxide derivative or pharmaceutically acceptable salt thereof.

In a second example is provided a compound according to formula (1a)



(Ia)

wherein Q is selected from CR¹¹, CR¹¹R¹², NR¹¹ or O, where R¹¹ and R¹² are independently selected from H, OH, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, optionally substituted C5-C8 aryl, C4-C8 heteroaryl, or wherein R¹¹ and R¹² together form an optionally substituted C3-C5 carbocycle together with the C to which they are attached,

and wherein each of X, Y, Z and M are present and as defined above, wherein the ring QXYZM is aliphatic or aromatic, preferably aliphatic;

and wherein R¹, R², and R³ are as defined above;

or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof.

In a third example is provided a pharmaceutical composition comprising a compound according to the first or second example, or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent.

USP19 has been associated with a number of diseases and conditions including (but not limited to) cancer and neoplastic conditions. Knock-out of USP19 by RNAi leads to p27^{Kip1} accumulation and inhibition of cell proliferation (Lu L. *et al.*, *PLoS ONE* (2011), 6,e15936). USP19 was also found to interact with the inhibitors of apoptosis (IAPs) including c-IAP1 and c-IAP2 (Mei Y. *et al.*, *J. Biol. Chem.* (2011), 286, 35380-35387). Knockdown of USP19 decreases the total levels of these c-IAPs whilst overexpression increases the levels of both BIRC2/cIAP1 and BIRC3/cIAP2. Knockdown of USP19 also enhances TNF α -induced caspase activation and apoptosis in a BIRC2/c-IAP1 and BIRC3/c-IAP2 dependent manner. USP19 has also been recently implicated in the Wnt signalling pathway by stabilising the coreceptor LRP6 (Perrody E. *et al.*, *eLife* (2016), 5, e19083) and in the DNA repair processes, most particularly chromosomal stability and integrity, by regulating the HDAC1 and HDAC2 proteins (Wu M. *et al.*, *Oncotarget* (2017), 8, 2197-2208).

It is further demonstrated herein that USP19 inhibitor compound as described in relation to the first example exhibit cell permeability and potent target engagement in cancer cell lines. The cell permeability and target engagement in cancer cells is comparable to that observed in muscle cells. As demonstrated herein, USP19 inhibitors exhibit potent *in vivo* therapeutic effects on muscle wasting. Thus, by extension, since similar target engagement is seen in cancer cells, it is expected that pharmacological USP19 inhibitors will be effective at exerting therapeutic effects in cancer, due to the association of USP19 and oncogenic processes described above.

In vivo studies have also demonstrated that mice lacking the USP19 gene (USP19 KO mice) exhibited a decrease in fat mass when fed a high-fat diet (Coyne E, *et al. Diabetologia*. 2018 Nov 1. doi: 10.1007/s00125-018-4754-4., which is incorporated herein by reference). USP19 KO mice also exhibited greater glucose tolerance and higher insulin sensitivity when fed a high-fat diet.

5

These gene knock-out studies describe a connection between USP19 and obesity, as well as USP19 and insulin sensitivity. However, no *in vivo* studies have been described demonstrating that pharmacological inhibitors of USP19 are an effective approach to the treatment of obesity. Similarly, no *in vivo* studies have demonstrated that pharmacological inhibitors of USP19 can be effective in increasing insulin sensitivity.

10

USP19 is also implicated in muscular atrophy, muscle-wasting syndromes and other skeletal muscle atrophy disorders (Wing S., *Int. J. Biochem. Cell Biol.* (2013), 45, 2130-2135; Wing S. *et al.*, *Int. J. Biochem. Cell Biol.* (2016), 79, 426-468; Wiles B. *et al.*, *Mol. Biol. Cell* (2015), 26, 913-923; Combaret L. *et al.*, *Am. J. Physiol. Endocrinol. Metab.* (2005), 288, E693-700). This was supported for instance by studies which demonstrated that USP19-silencing induced the expression of myofibrillar proteins and promoted myogenesis (Sundaram P. *et al.*, *Am. J. Physiol. Endocrinol. Metab.* (2009), 297, E1283-90; Ogawa M. *et al.*, *J. Biol. Chem.* (2011), 286, 41455-41465; Ogawa M. *et al.*, *J. Endocrinol.* (2015), 225, 135-145).

15

Knock-out studies have demonstrated that mice lacking the USP19 gene were resistant to muscle wasting in response to both glucocorticoids, a common systemic cause of muscle atrophy, as well as in response to denervation, a model of disuse atrophy (Bedard N. *et al.*, *FASEB J.* (2015), 29, 3889-3898, which is incorporated herein by reference).

20

These gene knock-out studies describe a connection between USP19 and muscular atrophy. However, no *in vivo* studies have been described demonstrating that pharmacological inhibitors of USP19 are an effective approach to the treatment of muscle-wasting conditions (e.g. cachexia and sarcopenia).

25

As set out in the accompanying Examples, it is demonstrated herein for the first time that pharmacological treatment with a USP19 inhibitor can induce therapeutic effects in a wild-type *in vivo* model.

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In particular, it is demonstrated for the first time that USP19 inhibitors reduce fat deposition in an *in vivo* model, indicating that USP19 inhibitors can be an effective treatment for obesity.

Similarly, it is demonstrated herein for the first time that USP19 inhibitors can reduce loss of muscle mass in an *in vivo* model of muscular atrophy.

35

Similarly, it is demonstrated herein for the first time that USP19 inhibitors can treat the symptoms of insulin resistance, as indicated by an improved response to glucose.

Accordingly, in a further example is provided a USP19 inhibitor for use in treating obesity. In a further example is provided a USP19 inhibitor for use in treating muscular atrophy. In a further example is provided a USP19 inhibitor for use in treating insulin resistance. In a further example is provided a USP19 inhibitor for use in treating type II diabetes. In a further example is provided a USP19 inhibitor for use in treating cancer.

40

In a further example is provided a method of treating cancer, obesity, insulin resistance, type II diabetes and/or muscular atrophy comprising administering to a subject in need thereof an effective amount of a USP19 inhibitor.

5 The compounds according to the invention are able to selectively inhibit USP19 activity. The Examples further demonstrate that compounds which potently inhibit USP19 activity can be effective therapeutic compounds. The compounds of the invention are therefore suitable for use in methods of treatment. Indications suitable for treatment with compounds of the invention include: the treatment and prevention of cancer and neoplastic conditions; immunological and inflammatory conditions for example by promoting antiviral immune response;
10 treatment and prevention of muscular atrophy, for example cachexia and sarcopenia; treatment and prevention of obesity; treatment and prevention of insulin resistance, for example diabetes; treatment and prevention of neurodegenerative diseases including Parkinson's disease and other prion-based disorders.

15 Therefore, in a further example, is provided a compound according to the first or second example, or a pharmaceutical composition according to the third example, for use in therapy.

In a further example, is provided a compound according to the first or second example or a pharmaceutical composition according to the third example for use in a method of treating or preventing cancer. In certain preferred embodiments the cancer to be treated is breast cancer or neuroblastoma.

20 In a further example is provided a compound according to the first or second example or a pharmaceutical composition according to the third example for use in a method of treating or preventing muscular atrophy, optionally cachexia or sarcopenia.

25 In a further example is provided a compound according to the first or second example or a pharmaceutical composition according to the third example for use in a method of treating or preventing obesity.

In a further example is provided a compound according to the first or second example or a pharmaceutical composition according to the third example for use in a method of treating or preventing insulin resistance.

30 In a further example is provided a compound according to the first or second example or a pharmaceutical composition according to the third example for use in a method of treating or preventing type II diabetes.

35 In a further example is provided a compound according to the first or second example or a pharmaceutical composition according to the third example for use in a method of treating or preventing Parkinson's Disease.

In a further example is provided a method of treating cancer comprising administering to a subject an effective amount of a compound according to the first or second example or a pharmaceutical composition according to the third example.

40 In a further example is provided a method of treating muscular atrophy comprising administering to a subject an effective amount of a compound according to the first or second example or a pharmaceutical composition according to the third example.

In a further example is provided a method of treating Parkinson's Disease comprising administering to a subject an effective amount of a compound according to the first or second example or a pharmaceutical composition according to the third example.

- 5 The compounds may be used as monotherapy or as combination therapy with radiation and/or additional therapeutic agents.

Other preferred embodiments of the compounds provided herein appear throughout the specification and in particular in the examples. Particularly preferred are those named compounds having greater activity as tested.

- 10 Compounds having higher activity are more preferred over those having lower activity.

Each example or embodiment as defined herein may be combined with any other example(s) or embodiment(s) unless clearly indicated to the contrary. In particular any feature indicated as being preferred or advantageous may be combined with any other feature or features indicated as being preferred or advantageous.

15

FIGURES

- Figure 1:** Effect of USP19 pharmacological inhibition on tibialis anterior mass. (A) Tibialis anterior mass (mg) from mice treated with vehicle or USP19 inhibitor compound ADC-141. Mass is given for the muscle from limb that had undergone sciatic nerve denervation (DEN) and also from the innervated limb (INN). (B) Percentage loss of tibialis anterior muscle mass as a result of denervation in vehicle and USP19 inhibitor (ADC-141) treated mice. Percentage calculated as a proportion of the mass of the muscle from the innervated limb of the same mouse. (C) Loss of tibialis anterior muscle mass (in mg) as a result of denervation in vehicle treated and USP19 inhibitor (ADC-141) treated mice. $P < 0.025$.

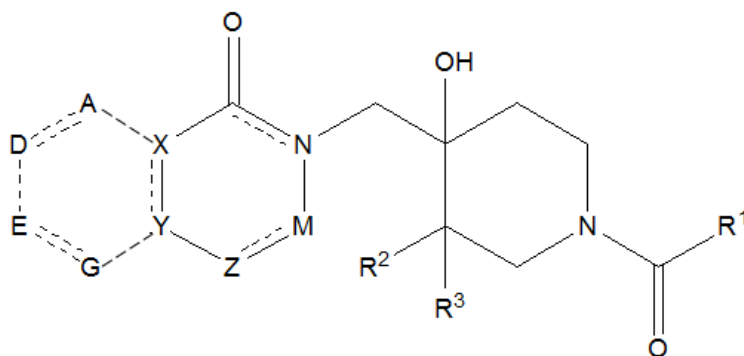
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- Figure 2:** Effect of USP19 pharmacological inhibition on gastrocnemius muscle mass. (A) gastrocnemius muscle mass (mg) from mice treated with vehicle or USP19 inhibitor compound ADC-141. Mass is given for the muscle from limb that had undergone sciatic nerve denervation (DEN) and also from the innervated limb (INN). (B) Percentage loss of gastrocnemius muscle mass as a result of denervation in vehicle and USP19 inhibitor (ADC-141) treated mice. Percentage calculated as a proportion of the mass of the muscle from the

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Claims:

1. Use of a compound of formula (I):



(I)

5 wherein

R^1 is optionally substituted C1-C6 alkyl, optionally substituted C4-C10 alkylcycloalkyl, optionally substituted C6-C10 alkylaryl, optionally substituted C5-C8 aryl, optionally substituted C3-C8 heteroaryl, optionally substituted C3-C8 heterocycloalkyl, NR^aR^b , $NR^aCH_2R^b$, OR^a , or OCH_2R^a

10 wherein R^a and R^b are independently selected from H, C1-C6 alkyl, CF_3 , optionally substituted C3-C6 cycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C6-C9 arylalkyl, and optionally substituted C2-C8 heteroaryl, and wherein when R^1 is $NR^aCH_2R^b$, the methylene group may be optionally substituted with CF_3 ,

15 or R^1 is NR^aR^b and R^a and R^b together form an optionally substituted C2-C9 heterocycle together with the N to which they are attached;

R^2 and R^3 are independently selected from H, and C1-C6 alkyl, or together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl with the carbon to which they attached;

20

X is absent, C, CR^{4a} , $CR^{4a}R^{4b}$, N, NR^{4a} , or $C=O$,

wherein R^{4a} and R^{4b} are independently selected from H, optionally substituted C1-C6 alkyl and halo;

or wherein R^{4a} and R^{4b} together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

25

Y is C, CR⁵, CR⁵R⁶, N, NR⁵, or O,

wherein R⁵ and R⁶ are independently selected from H, halo, optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C6-C9 arylalkyl, optionally substituted C3-C8 heteroaryl, CH₂OH, NR'R'', NS(O)R'R'', SO₂R', C(O)R', COR', C(O)OR', C(O)NR'R'', OR', wherein R' and R'' are independently selected from H, C1-C6 alkyl, C5-C8 aryl, C6-C9 arylalkyl, and C3-C8 heteroaryl, or wherein R⁵ is NR'R'' and R' and R'' together form an optionally substituted C3-6 heterocycloalkyl including the nitrogen to which they are attached,

or wherein R⁵ and R⁶ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

Z is N, NR⁷, C, CR⁷, CR⁷R⁸, or C=O,

wherein R⁷ and R⁸ are independently selected from H, halo, C1-C6 alkyl, C2-C6 alkene, C2-C6 alkyne, C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C3-C8 heteroaryl, CN, C(O)OR^c, CONR^cR^d, NR^cR^d, NS(O)R^cR^d, S(O)(R^c)NR^d, SOR^c, SO₂R^c, and SR^c, wherein R^c and R^d are independently H, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C6 aryl, C6-C9 arylalkyl, C3-C6 heteroaryl, CN, COOH, or COCH₃ or R^c and R^d together form an optionally substituted C3-C7 heterocycle together with the heteroatom to which they are attached;

or wherein R⁷ and R⁸ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

M is absent, C, CR¹³ or CR¹³R¹⁴, wherein R¹³ and R¹⁴ are independently selected from H, and C1-C6 alkyl, or wherein R¹³ and R¹⁴ together form a C3-C6 cycloalkyl or C3-C6 heterocycloalkyl together with the carbon to which they are attached;

and

A is CR⁹, CHR⁹, N, NR⁹, S, or O;

D is CR⁹, CHR⁹, N or NR⁹,

G is absent, CR⁹, CHR⁹, or N,

wherein R^9 is independently selected from H, halo, C1-C6 alkyl, CF₃, and OR*, wherein R* is selected from optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl, and optionally substituted C3-C6 heterocycloalkyl,

E is CR¹⁰, CHR¹⁰, N, NR¹⁰, S, or O,

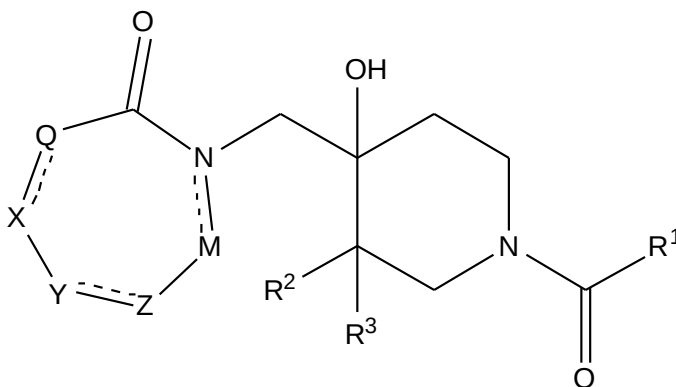
wherein R¹⁰ is selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, SR^x, OR^x, NR^xR^y, and NS(O)R^xR^y, S(O)(R^x)NR^y

wherein R^x and R^y are independently selected from H, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, COOH, amido, cyano, C2-C6 alkene, C2-C6 alkyne, or wherein R^x and R^y together form an optionally substituted C4-C6 heterocycloalkyl together with the nitrogen to which they are attached;

or A, D, E and G are all absent, optionally wherein X and M are absent, or optionally wherein Y and Z together form an optionally substituted C5-C6 aryl or C5-C6 heteroaryl fused ring or Z and M together form an optionally substituted C5-C6 aryl or C5-C6 heteroaryl fused ring;

or a stereoisomer, tautomer, hydrate, N-oxide derivative or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

2. Use of a compound of formula (Ia),



(Ia)

wherein Q is selected from CR¹¹, or CR¹¹R¹², NR¹¹ or O, where R¹¹ and R¹² are independently selected from H, OH, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, optionally substituted C5-C8 aryl, C4-C8 heteroaryl, or wherein R¹¹ and R¹² together form an

optionally substituted C3-C5 carbocycle together with the C to which they are attached,

and wherein each of X, Y, Z and M are present and as defined in claim 1, wherein the ring QXYZM is aliphatic or aromatic, preferably aliphatic;

and wherein R¹, R², and R³ are as defined in claim 1;

or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

3. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 1 or claim 2, wherein for each optionally substituted group, each one or more optional substituent is independently selected from C1-C4 alkyl, C3-C4 cycloalkyl, halo, CHF₂, CF₃, hydroxyl, NH₂, NO₂, CH₂OH, CH₂OCH₃, methoxy, OCHF₂, OCF₃, cyclopropyloxy, phenyl, fluoro-substituted phenyl, benzyl, and oxo.

4. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1-3, wherein R¹ is optionally substituted ethylbenzene, optionally substituted ethylcyclohexyl, optionally substituted ethylcyclobutyl or optionally substituted trifluoropropyl, optionally wherein each optional substituent is selected from methyl, and CH₂OH.

5. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1-3, wherein

R¹ is NR^aR^b or NR^aCH₂R^b, wherein R^a and R^b are independently selected from H, methyl, ethyl, propyl, CF₃, optionally substituted cyclopropyl, optionally substituted cyclobutyl, optionally substituted cyclopentyl, optionally substituted cyclohexyl, optionally substituted phenyl, optionally substituted benzyl, optionally substituted pyridinyl, pyrazole, imidazole, furan, benzodioxol, optionally substituted oxadiazole, thiazole, and thiophene, wherein the optional substituents are independently selected from halo, methyl, cyclopropyl and CN, optionally wherein R¹ is NR^aCH₂R^b and the methylene group is substituted with CF₃; or

R^1 is NR^aR^b and wherein R^a and R^b together form an optionally substituted C3-C9 heterocycle together with the N to which they are attached, optionally substituted with OH, CH_2OH , CH_2OCH_3 , oxo, NH, NH_2 , methyl, ethyl, propyl, spirocyclopropyl, CF_3 , phenyl, fluoro-substituted phenyl, or benzyl.

- 5 6. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 5, wherein

R^1 is NR^aR^b and R^a and R^b form a heterocycle together with the N to which they are attached, wherein the heterocycle is selected from pyrrolidinyl, pyrimidinyl, morpholino, piperidinyl, piperazinyl, and thiomorpholino,

- 10 wherein the heterocycle is optionally substituted with one or more substituents independently selected from methyl, spirocyclopropyl, CH_2OH , CH_2CF_3 , NH_2 , NH, oxo, thiophene, and phenyl optionally substituted with F or CF_3 , optionally wherein R^a and R^b together with the N to which they are attached form a morpholino group or a piperazinyl group, wherein the morpholino group or piperazinyl group is
- 15 substituted with phenyl, fluoro-phenyl, difluoro-phenyl, or thiophenyl,

and wherein the morpholino group or piperazinyl group is optionally further substituted with methyl, CH_2OH , or spiro-cyclopropyl; and/or optionally wherein

- R^a and R^b together with the N to which they are attached form a piperazinyl group substituted with phenyl, fluoro-phenyl, or difluoro-phenyl, and wherein the
- 20 piperazinyl group is optionally further substituted with methyl; or optionally wherein R^a and R^b together with the N to which they are attached form a piperidinyl group substituted with phenyl, fluoro-phenyl, or difluoro-phenyl, and wherein the piperidinyl group is further substituted with NH_2 , optionally NH_2 at position 4.

- 25 7. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 5, wherein

R^1 is $NR^aCH_2R^b$, wherein R^a is H or methyl and R^b is selected from cyclobutyl optionally substituted with F, cyclohexyl, phenyl optionally substituted with F, furan and thiophene, optionally wherein the methylene group is substituted with CF_3 , optionally wherein R^b is phenyl or fluoro-substituted phenyl.

- 30 8. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1-3, wherein

R^1 is OR^a or OCH_2R^a , wherein R^a is selected from H, optionally substituted C1-C6 alkyl, CF_3 , or optionally substituted cyclopropyl, optionally substituted cyclobutyl, optionally substituted cyclopentyl, optionally substituted cyclohexyl, optionally substituted phenyl, optionally substituted benzyl, optionally substituted pyridinyl, optionally substituted pyrazole, optionally substituted imidazole, optionally wherein each optional substituent is independently selected from NO_2 , methyl, OH or CF_3 .

9. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1-8, wherein

R^2 and R^3 are independently selected from H, methyl and ethyl, or together form optionally substituted cyclopropyl, optionally substituted cyclobutyl, optionally substituted cyclopentyl, optionally substituted cyclohexyl, optionally substituted pyrrolidine, optionally substituted tetrahydropyran or optionally substituted tetrahydrofuran together with the carbon to which they attached, optionally wherein R^2 and R^3 are independently selected from H, and methyl, optionally wherein R^2 and R^3 together form cyclohexyl, cyclopentyl or cyclobutyl together with the carbon to which they attached, preferably cyclopentyl.

10. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1 and 3-9, wherein:

X is CR^{4a} , wherein R^{4a} is as defined in claim 1, optionally H or C1-C6 alkyl;

Y is N;

Z is CR^7 , wherein R^7 is as defined in claim 1;

M is CH or C- CH_3 ;

the ring including X, Y and Z is aromatic, and A, D, E and G are all absent, optionally wherein Z is CR^7 and R^7 is selected from H, phenyl, pyridine, pyrazole, indazole, imidazole, Cl, Br, COOH, COOCH₃, CONR^cR^d, NR^cR^d

wherein R^cR^d are each methyl, or wherein R^c and R^d together form an optionally substituted piperazine, optionally substituted morpholine, or optionally substituted pyrrolidine together with the N to which they are attached, optionally wherein R^7 is Cl, Br or C(O)OCH₃, or wherein R^7 is CONR^cR^d and R^c and R^d are

each methyl, or wherein R^c and R^d form a piperazinyl ring together with the N to which they are attached.

11. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1 and 3-9, wherein:

5 X is CR^{4a}, wherein R^{4a} is as defined in claim 1, optionally H or C1-C6 alkyl;

Y is CR⁵;

Z is N or CR⁷;

M is CH or C-CH₃;

10 wherein R⁵ and R⁷ is as defined in claim 1, the ring including X, Y and Z is aromatic, and A, D, E and G are all absent.

12. The use of a compound stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 11, wherein:

X is CH

Z is N or CH

15 M is CH

Y is CR⁵ wherein R⁵ is selected from optionally substituted C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C5-C8 aryl, optionally substituted C3-C8 heteroaryl, and NR'R'', wherein R' and R'' together form an optionally substituted C3-C6 heterocycloalkyl including the nitrogen to
20 which they are attached;

and/or wherein R⁵ is selected from optionally substituted cyclopropyl, optionally substituted phenyl, optionally substituted thiophenyl, optionally substituted piperidinyl, optionally substituted pyrazolyl, optionally substituted pyridinyl, optionally substituted pyrrolidinyl, optionally substituted dihydrobenzofuranyl,
25 optionally substituted azabicyclohexyl, and optionally substituted azetidiny, optionally wherein each one or more optional substituents of R⁵ is selected from the group consisting of: Cl, F, methyl, CHF₂, CF₃, methoxy, OCHF₂, OCF₃, cyclopropyl, and cyclopropyloxy; or wherein:

R^{4a} is H,

R^5 is Cl or phenyl optionally substituted with fluoro, and

Z is N or CR^7 .

13. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1 and 3-9, wherein the ring including X, Y and Z is aliphatic, wherein A, D, E and G are all absent and wherein:

X is absent, $CR^{4a}R^{4b}$, NR^{4a} , or $C=O$

Y is O, CR^5R^6 , or NR^5

Z is CR^7R^8 , wherein R^7 and R^8 are independently selected from H, halo, C1-C6 alkyl, C2-C6 alkene, C2-C6 alkyne, C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C3-C8 heteroaryl, CN, $COOR^c$, $CONR^cR^d$, NR^cR^d , wherein R^c and R^d are independently selected from H, C1-C6 alkyl, and C3-C6 cycloalkyl, or R^c and R^d together form an optionally substituted C3-C7 heterocycle together with the heteroatom to which they are attached,

or wherein R^7 and R^8 together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached;

M is absent, CH_2 , or Z and M together form part of an optionally substituted phenyl or pyridine ring;

or M is absent and Y and Z together form part of a fused phenyl or heteroaryl ring,

or M and X are both absent and Z is CHR^7

wherein R^{4a} , R^{4b} , R^5 , and R^6 are as defined in claim 1, optionally wherein:

X is $CR^{4a}R^{4b}$, wherein R^{4a} is selected from H or C1-C6 alkyl, and R^{4b} is H;

Y is O or CR^5R^6 , wherein R^5 and R^6 are independently selected from H, halo, optionally substituted C1-C6 alkyl, optionally substituted phenyl, benzyl, pyridinyl, CH_2OH , $C(O)R'$, COR' , $C(O)OR'$, $C(O)NR'R''$, and SO_2R' , wherein R' and R'' are independently selected from methyl, ethyl, propyl, butyl, phenyl, and benzyl, or wherein R^5 and R^6 together form cyclohexyl, including the carbon to which they are attached;

and Z is CR^7R^8 , wherein R^7 is selected from H, C1-C6 alkyl, phenyl, and $\text{C}(\text{O})\text{NR}^c\text{R}^d$, wherein R^c and R^d are independently H, methyl or R^c and R^d together form an optionally substituted pyrrolidine together with the nitrogen to which they are attached, and wherein R^8 is H, optionally wherein:

5 R^{4a} and R^{4b} are both H;

Y is O or CR^5R^6 , wherein R^5 is phenyl or $\text{C}(\text{O})\text{NR}'\text{R}''$, wherein R' and R'' are both methyl, and R^6 is H; and

Z is CR^7R^8 , wherein R^7 is phenyl or $\text{C}(\text{O})\text{NR}^c\text{R}^d$, wherein R^c and R^d are both methyl;

10 or optionally wherein Z is CH_2 and Y is NR^5 , wherein R^5 is phenyl, pyridinyl, butyl carboxylate or $\text{C}(\text{O})\text{CH}_3$, preferably wherein R^5 is phenyl.

14. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1, and 3-9, wherein the ring including X, Y and Z is aliphatic, and wherein:

15 A, D, E and G are each C or N and form a fused aryl or heteroaryl ring with the aliphatic ring including X, Y and Z

X is C

Y is C

Z is NR^7 , CR^7R^8 or $\text{C}=\text{O}$

20 M is absent or $\text{CR}^{13}\text{R}^{14}$, wherein R^{13} and R^{14} are independently selected from H, and C1-C6 alkyl, or wherein R^{13} and R^{14} together form a C3-C6 cycloalkyl together with the carbon to which they are attached; and

wherein R^7 and R^8 are as defined in claim 1, optionally wherein M is absent and Z is CR^7R^8 wherein R^7 and R^8 are H, optionally wherein A, D and E are C, and G is C or N.

25 15. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1 and 3-9, wherein:

X is C or N

Y is C or N

Z is N, NR^7 , or CR^7 , wherein R^7 is as defined in claim 1,

M is absent, CH or C-CH₃,

A is CR^9 , CHR^9 , N, NR^9 , S or O,

D is CR^9 , CHR^9 , N or NR^9 ,

5 G is absent, CR^9 , CHR^9 , or N,

wherein R^9 is independently selected from H, halo, C1-C6 alkyl, CF₃, and OR^* , wherein R^* is selected from optionally substituted C1-C6 alkyl, optionally substituted C3-C6 cycloalkyl, and optionally substituted C3-C6 heterocycloalkyl,

E is CR^{10} , CHR^{10} , N, NR^{10} , S, or O,

10 wherein R^{10} is selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, SR^x , OR^x , NR^xR^y , and $\text{NS(O)(R}^x\text{)R}^y$, $\text{S(O)(R}^x\text{)NR}^y$

wherein R^x and R^y are independently selected from H, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C4-C8 heteroaryl, COOH, amido, 15 cyano, C2-C6 alkene, C2-C6 alkyne, or wherein R^x and R^y together form an optionally substituted C4-C6 heterocycloalkyl together with the nitrogen to which they are attached, optionally wherein

Z is N, or CR^7 , wherein R^7 is selected from H, C1-C6 alkyl, CN or $\text{C(O)NR}^c\text{R}^d$, wherein R^c and R^d are independently H, methyl, or together 20 form an optionally substituted piperidine, piperazine or morpholine ring together with the nitrogen to which they are attached, and/or optionally wherein:

E is CR^{10} , CHR^{10} , N, NR^{10} , S, or O,

25 wherein R^{10} is selected from H, F, Cl, Br, methyl, ethyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, SR^x , OR^x , NR^xR^y , and $\text{NS(O)(CH}_3\text{)}_2$, wherein R^x and R^y are independently selected from H, methyl, ethyl, CF₃, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, COOH, amido, cyano, or wherein R^x and R^y together form a piperidine, piperazine or morpholine together with the nitrogen to which they are attached, optionally substituted 30 with methyl, and/or optionally wherein:

A, M, X and Y are C, E is CR^{10} ,

D is N,

G is C or N, and

Z is C or N,

such that the rings including A, D, E, G, X, Y, Z and M form a fused aromatic ring system.

5 16. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 14, wherein: M is absent,

A, X and Y are C, D and G are N, E is CR¹⁰, and Z is NR⁷, such that the ring including A, D, E, G, X, and Y, forms an aromatic ring fused to the ring including X, Y and Z,

10 wherein R⁷ is H or C1-C6 alkyl, optionally wherein R⁷ is methyl.

17. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 15 or claim 16, wherein E is CR¹⁰, wherein R¹⁰ is H or SR^x, wherein R^x is C1-C6 alkyl, preferably wherein R^x is methyl.

15 18. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to claim 15, wherein:

X, Y, M, A and G are C, Z is N, D is CR⁹ and E is CR¹⁰, such that the rings including A, D, E, G, X, Y, Z and M form a fused aromatic ring system,

wherein R⁹ is halo, preferably F or Cl, and R¹⁰ is H or halo, optionally F or Cl; or
20 wherein:

G is absent, A is C, D and Z are N, and E is NR¹⁰, such that the rings including A, D, E, X, Y, Z and M form a fused aromatic ring system, wherein R¹⁰ is selected from H, ethyl, phenyl and benzyl.

25 19. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1 or 3-9, wherein:

X is CR^{4a}, wherein R^{4a} is as defined in claim 1;

Y is CR⁵, wherein R⁵ is selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, optionally halo-substituted phenyl, optionally halo-substituted benzyl, pyridinyl, pyrazole, imidazole, CH₂OH, NR'R'', COR', C(O)OR', C(O)NR'R'', OR', wherein R'

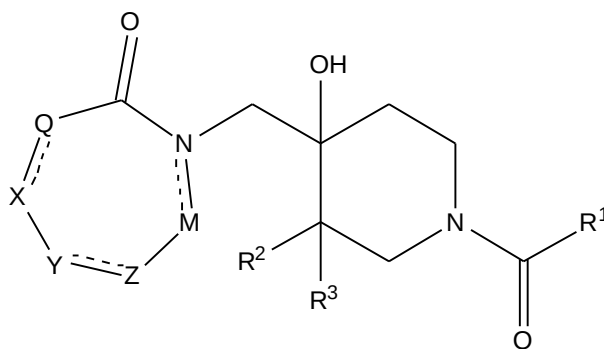
and R'' are independently selected from C1-C6 alkyl, and phenyl, benzyl, pyridinyl, pyrazole, imidazole;

Z is CR⁷, wherein R⁷ is as defined in claim 1;

M is CH;

5 the ring including X, Y and Z is aromatic, and A, D, E and G are all absent.

20. A use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 2-9, wherein the compound is according to formula (Ia)



(Ia)

wherein the ring including QXYZM is aliphatic;

wherein Q is CHR¹¹, where R¹¹ is selected from H, OH, C1-C6 alkyl, CF₃, C3-C6 cycloalkyl, C5-C8 aryl, or C4-C8 heteroaryl;

15 X is CHR^{4a}, wherein R^{4a} is selected from H, C1-C6 alkyl or halo, preferably wherein R^{4a} is methyl;

20 Y is CR⁵R⁶ wherein R⁵ and R⁶ are independently selected from H, halo, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C8 aryl, C3-C8 heteroaryl, CH₂OH, NR'R'', and OR', wherein R' and R'' are independently selected from H and C1-C6 alkyl; preferably wherein Y is CH₂

25 Z is CR⁷R⁸, wherein R⁷ and R⁸ are independently selected from H, halo, C1-C6 alkyl, C2-C6 alkene, C2-C6 alkyne, C3-C6 cycloalkyl, optionally substituted C3-C6 heterocycloalkyl, C5-C8 aryl, C6-C9 arylalkyl, C3-C8 heteroaryl, CN, COOR^c,

CONR^cR^d, NR^cR^d, NS(O)R^cR^d, S(O)(R^c)NR^d, SOR^c, SO₂R^c, and SR^c, wherein R^c and R^d are independently H, C1-C6 alkyl, C3-C6 cycloalkyl, C5-C6 aryl, C6-C9 arylalkyl, C3-C6 heteroaryl, CN, COOH, or COCH₃ or R^c and R^d together form an optionally substituted C3-C7 heterocycle together with the heteroatom to which they are attached,

or wherein R⁷ and R⁸ together form a C3-6 cycloalkyl or C3-C6 heterocycloalkyl including the carbon to which they are attached; and

M is CR¹³R¹⁴, wherein R¹³ and R¹⁴ are independently selected from H, and C1-C6 alkyl, or wherein R¹³ and R¹⁴ together form a C3-C6 cycloalkyl together with the carbon to which they are attached; preferably wherein M is CH₂ or CHCH₃, optionally wherein the ring including QXYZM is aliphatic, Q is CH₂, X is CHCH₃, Y is CH₂, Z is CHCH₃ and M is CH₂.

21. The use of a compound, stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt according to any one of claims 1-15, 19 and 20 wherein:

Z is CR⁷ or CHR⁷ and R⁷ is selected from NS(O)R^cR^d, S(O)(R^c)NR^d, SO₂R^c, and SR^c, wherein R^c is selected from H, methyl;

and wherein R^d is selected from H, C1-C6 alkyl, C5-C6 aryl, C6-C9 arylalkyl, C3-C6 heteroaryl, CN, COOH, or COCH₃.

22. Use of a compound according to formula (I) selected from:

1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)pyrazin-2(1*H*)-one

1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-phenylpyrazin-2(1*H*)-one

1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one

1-((7-((*R*)-3-Cyclobutyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one

1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one

5-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one

- 5-Bromo-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(*1H*)-one
- 5 Methyl 4-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-oxo-4,5-dihydropyrazine-2-carboxylate
- 4-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-oxo-4,5-dihydropyrazine-2-carboxylic acid
- 10 4-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-5-oxo-4,5-dihydropyrazine-2-carboxamide
- 15 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(piperazine-1-carbonyl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(pyridin-3-yl)pyrazin-2(*1H*)-one
- 20 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(2-oxopyrrolidin-1-yl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(pyridin-4-yl)pyrazin-2(*1H*)-one
- 25 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(1*H*-indazol-1-yl)pyrazin-2(*1H*)-one and 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(2*H*-indazol-2-yl)pyrazin-2(*1H*)-one
- 30 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(1*H*-pyrazol-5-yl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(1*H*-pyrazol-1-yl)pyrazin-2(*1H*)-one
- 35 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(pyridin-3-yl)pyrazin-2(*1H*)-one
- 40 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(pyridin-4-yl)pyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-methylpyrazin-2(*1H*)-one
- 45 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-cyclopropylpyrazin-2(*1H*)-one
- 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(pyridin-2-yl)pyrazin-2(*1H*)-one
- 50

- (*R*)-4-(2-Fluorophenyl)-1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)piperazin-2-one
- 1-(((*R*)-1-((*S*)-3-Cyclohexyl-2-(hydroxymethyl)propanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenylpiperidine-3-carboxamide and 1-(((*S*)-1-((*S*)-3-Cyclohexyl-2-(hydroxymethyl)propanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenylpiperidine-3-carboxamide
- 2-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)isoindolin-1-one
- 4*S*)-1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-4-phenylpyrrolidin-2-one
- (4*R*)-1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-4-phenylpyrrolidin-2-one
- 4-Benzyl-1-((1-((*R*)-3-cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)pyrrolidin-2-one
- 4-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3-propyl-1,3-dihydro-2*H*-benzo[*d*]imidazol-2-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-(hydroxymethyl)pyrrolidin-2-one
- 4-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2*H*-pyrido[3,2-*b*][1,4]oxazin-3(4*H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)indoline-2,3-dione
- 8-Amino-4-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2*H*-benzo[*b*][1,4]oxazin-3(4*H*)-one
- tert*-Butyl 4-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3-oxopiperazine-1-carboxylate
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- (4*S*)-1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyrrolidin-2-one

- 4-Benzyl-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrrolidin-2-one
- 5 2-((1-(3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)isoindoline-1,3-dione
- 4-Benzyl-1-((1-(3-cyclohexyl-2-methylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)pyrrolidin-2-one
- 10 4-Benzyl-1-((4-hydroxy-3,3-dimethyl-1-(2-methyl-3-phenylpropanoyl)piperidin-4-yl)methyl)pyrrolidin-2-one
- 4-Benzyl-1-((1-(3-cyclohexylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)pyrrolidin-2-one
- 15 2-((1-(3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-2-azaspiro[4.5]decan-3-one
- Benzyl 4-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3-oxopiperazine-1-carboxylate
- 20 4-Acetyl-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-(methylsulfonyl)piperazin-2-one
- 25 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpiperazin-2-one
- 2-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-[1,2,4]triazolo[4,3-*a*]pyridin-3(2*H*)-one
- 30 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dimethoxyquinazolin-4(3*H*)-one
- 35 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one
- 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-6-(methylthio)-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one
- 40 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylthio)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylthio)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 45 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylamino)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one

- 2-(Dimethylamino)-6-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 5 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-methoxypyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-morpholinopyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 10 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(4-methylpiperazin-1-yl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 2-((Dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-6-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 15 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(piperazin-1-yl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 20 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-6-(methylthio)-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one
- 1-(((*R*)-1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-4-(2-fluorophenyl)pyridin-2(1*H*)-one and 1-(((*S*)-1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-4-(2-fluorophenyl)pyridin-2(1*H*)-one
- 25 4-Chloro-1-((1-((*R*)-3-cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(*S*-methylsulfonimidoyl)pyridin-2(1*H*)-one
- 30 1-((1-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-4-hydroxy-3,3-dimethylpiperidin-4-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)pyridin-2(1*H*)-one
- 35 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)pyridin-2(1*H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-4-phenylpyridin-2(1*H*)-one
- 40 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-((dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-5-phenylpyridin-2(1*H*)-one
- 45 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 5-((Dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 50

- 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylthio)pyridin-2(1*H*)-one
- 5 4-Chloro-1-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfonyl)pyridin-2(1*H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylthio)-4-phenylpyridin-2(1*H*)-one
- 10 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfinyl)-4-phenylpyridin-2(1*H*)-one
- 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfonyl)-4-phenylpyridin-2(1*H*)-one
- 15 *N*-Benzyl-4-((4-(2-fluorophenyl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-4-hydroxy-*N*-methylpiperidine-1-carboxamide
- 20 *N*-(Cyclohexylmethyl)-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N*-methyl-7-azaspiro[4.5]decane-7-carboxamide
- 4-Nitrophenyl 10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxylate
- 25 Isobutyl 10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxylate
- N*-Benzyl-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 30 10-((5-(Dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N,N*-dimethyl-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N*-methyl-7-azaspiro[4.5]decane-7-carboxamide
- 35 1-((10-Hydroxy-7-(3-(trifluoromethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenyl-1,6-dihydropyridine-3-carboxamide
- 40 *N*-Cyclohexyl-10-((5-(dimethylcarbamoyl)-2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-10-hydroxy-*N*-methyl-7-azaspiro[4.5]decane-7-carboxamide
- 1-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one
- 45 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrazin-2(1*H*)-one
- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-methylpyrazin-2(1*H*)-one
- 50

- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-3-methylpyrazin-2(1*H*)-one
- 5 (6*R*)-4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methylmorpholin-3-one
- 6-Cyclopropyl-4-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 10 4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-oxa-4-azaspiro[2.5]octan-5-one
- 15 4-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methylmorpholin-3-one
- 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(methoxymethyl)piperidin-2-one
- 20 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4,6-dimethylazepan-2-one
- 4-Ethyl-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperidin-2-one
- 25 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylazetidin-2-one
- 30 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-5,6-dihydro-7*H*-pyrrolo[3,4-*b*]pyridin-7-one
- 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dihydro-5*H*-pyrrolo[3,4-*b*]pyridin-5-one
- 35 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dihydro-5*H*-pyrrolo[3,4-*b*]pyridin-5-one
- 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)isoindolin-1-one
- 40 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,3-dihydro-1*H*-pyrrolo[3,4-*c*]pyridin-1-one
- 10-((4-Benzoyl-2-oxopiperazin-1-yl)methyl)-*N*-benzyl-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 45 4-Benzoyl-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one

- N*-Benzyl-10-hydroxy-10-((2-oxo-4-phenylpiperazin-1-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpiperazin-2-one
- 10 10-((4-Acetyl-2-oxopiperazin-1-yl)methyl)-*N*-benzyl-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 15 4-Acetyl-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 1-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(pyridin-2-yl)piperazin-2-one
- 15 1-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-methylpiperazin-2-one
- 20 *N*-Benzyl-10-((4-(4,4-dimethylcyclohexyl)-2-oxopiperazin-1-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 4-(4,4-Dimethylcyclohexyl)-1-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)piperazin-2-one
- 25 4-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one]
- 4-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)morpholin-3-one
- 30 7-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7,8-dihydroimidazo[1,2-*a*]pyrazin-6(5*H*)-one
- 35 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-methylquinazolin-4(3*H*)-one
- 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-fluoroisoquinolin-1(2*H*)-one
- 40 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyisoquinolin-1(2*H*)-one
- 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)thieno[2,3-*d*]pyrimidin-4(3*H*)-one
- 45 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-ethyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 50 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-8-methylquinazolin-4(3*H*)-one

- 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(trifluoromethyl)isoquinolin-1(2*H*)-one
- 5 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyisoquinolin-1(2*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 10 7-Chloro-3-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 15 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-1-oxo-1,2-dihydroisoquinoline-4-carboxamide
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-8-fluoroquinazolin-4(3*H*)-one
- 20 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)thieno[2,3-*d*]pyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyquinazolin-4(3*H*)-one
- 25 7-Chloro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 7-Fluoro-2-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)isoquinolin-1(2*H*)-one
- 30 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 35 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)furo[3,2-*c*]pyridin-4(5*H*)-one
- 40 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-methoxyquinazolin-4(3*H*)-one
- 2-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dimethoxyisoquinolin-1(2*H*)-one
- 45 1-Ethyl-5-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one

- 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)thieno[3,2-*c*]pyridin-4(5*H*)-one
- 5 6-Chloro-3-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)thieno[3,2-*d*]pyrimidin-4(3*H*)-one
- 10 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-*N,N*-dimethyl-1-oxo-1,2-dihydroisoquinoline-4-carboxamide
- 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-dimethoxyisoquinolin-1(2*H*)-one
- 15 6-Chloro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 20 6-Fluoro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 6-Chloro-7-fluoro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 25 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[3,4-*b*]pyrazin-5(6*H*)-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6,7-difluoroquinazolin-4(3*H*)-one
- 30 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-ethyl-2,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-methylpyrido[3,4-*d*]pyrimidin-4(3*H*)-one
- 35 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-fluoroquinazolin-4(3*H*)-one
- 40 6-Chloro-3-((7-((*R*)-3-cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-fluoroquinazolin-4(3*H*)-one
- 7-Fluoro-3-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 45 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-4(3*H*)-one
- 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 50

- 6-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 5 3-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-7-(methylthio)pyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-(methylthio)pyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 10 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-morpholinopyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 15 3-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-7-(4-methylpiperazin-1-yl)pyrimido[4,5-*d*]pyrimidin-4(3*H*)-one
- 6-Fluoro-3-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 20 6,7-Difluoro-3-((10-hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 2-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 25 1-Benzyl-5-((10-hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 1-Benzyl-5-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 30 6-Fluoro-3-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 35 6,7-Difluoro-3-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)quinazolin-4(3*H*)-one
- 2-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2,7-naphthyridin-1(2*H*)-one
- 40 1-Benzyl-5-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 6-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-2-methyl-2,6-dihydro-7*H*-pyrazolo[4,3-*d*]pyrimidin-7-one
- 45 2-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one

- 2-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,2-dihydro-3*H*-pyrazolo[3,4-*d*]pyrimidin-3-one
- 5-((7-((*R*)-3-Cyclohexyl-2-methylpropanoyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-1-phenyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 5-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-phenyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 10 5-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-phenyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 6-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-methyl-2,6-dihydro-7*H*-pyrazolo[4,3-*d*]pyrimidin-7-one
- 15 5-((10-Hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 1-Cyclopropyl-5-((10-hydroxy-7-((*R*)-4,4,4-trifluoro-2-methylbutanoyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 20 5-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1-methyl-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 1-Cyclopropyl-5-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-1,5-dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one
- 25 6-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-2-(methylthio)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 30 6-(((*S*)-10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrido[4,3-*d*]pyrimidin-5(6*H*)-one
- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylthio)-4-phenylpyridin-2(1*H*)-one
- 35 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfinyl)-4-phenylpyridin-2(1*H*)-one
- 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(methylsulfonyl)-4-phenylpyridin-2(1*H*)-one
- 40 1-((10-Hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 45 1-((10-Hydroxy-7-((*R*)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-(*S*-methylsulfonimidoyl)-4-phenylpyridin-2(1*H*)-one
- 5-((Dimethyl(oxo)- λ^6 -sulfaneylidene)amino)-1-((10-hydroxy-7-((*R*)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
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- N*-Benzyl-10-hydroxy-10-((2-oxo-4-phenylpyridin-1(2*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 *N*-Benzyl-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-8-((4-(2-fluorophenyl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-8-hydroxy-5-azaspiro[2.5]octane-5-carboxamide
- 10 *N*-Benzyl-4-((4-(2-fluorophenyl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-4-hydroxy-3,3-dimethylpiperidine-1-carboxamide
- 15 10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(2,2,2-trifluoroethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(pyridin-2-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 *N*-Benzyl-10-((4-chloro-6-oxopyrimidin-1(6*H*)-yl)methyl)-10-hydroxy-7-azaspiro[4.5]decane-7-carboxamide
- 10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(pyridin-3-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 25 *N*-Benzyl-10-hydroxy-10-((6-oxo-4-(pyridin-3-yl)pyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-hydroxy-10-((6-oxo-4-(pyridin-4-yl)pyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 30 *N*-Benzyl-10-hydroxy-10-((6-oxo-4-(pyrrolidin-1-yl)pyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 35 *N*-Benzyl-10-hydroxy-10-((4-morpholino-6-oxopyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-Benzyl-10-hydroxy-10-((4-(1-methyl-1*H*-pyrazol-4-yl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 40 *N*-Benzyl-10-hydroxy-10-((4-(1-methyl-1*H*-pyrazol-5-yl)-6-oxopyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 45 3-((10-Hydroxy-7-(2-(trifluoromethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*R*)-2-methylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

- 3-((10-Hydroxy-7-(2-isopropylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 3-((7-(3-Azabicyclo[3.1.0]hexane-3-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((S)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((S)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-(((S)-10-Hydroxy-7-((S)-2-phenylpyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 (S)-10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(thiophen-2-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-*N*-(4-Cyanobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 25 (S)-*N*-(3-Fluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-*N*-(Benzo[*d*][1,3]dioxol-5-ylmethyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 30 (S)-*N*-((5-Cyclopropyl-1,2,4-oxadiazol-3-yl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-*N*-(Furan-2-ylmethyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 35 6-Chloro-3-(((S)-10-hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 40 (S)-3-((10-Hydroxy-7-(3-(trifluoromethyl)azetidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 6-Cyclopropyl-3-(((S)-10-hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 45 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(pyrrolidin-1-yl)pyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-5-yl)pyrimidin-4(3*H*)-one
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- 3-(((S)-10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-4-yl)pyrimidin-4(3*H*)-one
- 5 6-(Dimethylamino)-3-(((S)-10-hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 3-(((10*S*)-10-Hydroxy-7-(3-(trifluoromethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 3-(((S)-7-((R)-3-(4-Fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(3-(Cyclopropylmethyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-((7-(3-Cyclobutylmorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 3-((10-Hydroxy-7-(3-(methoxymethyl)morpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- N*-(Furan-3-ylmethyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 25 3-((10-Hydroxy-7-(2-methylpyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- N*-Cyclobutyl-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 30 3-((10-Hydroxy-7-(3-(thiophen-2-yl)morpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 3-((10-Hydroxy-7-(6-oxa-1-azaspiro[3.4]octane-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(3-Cyclopropylpyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 10-Hydroxy-*N*-(isothiazol-5-ylmethyl)-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-((3-Fluorocyclobutyl)methyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 45 3-((7-(2,2-Dimethylpyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

- 3-((7-(4-(Difluoromethyl)piperidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 *N*-(Furan-2-ylmethyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((7-(2-Oxa-5-azabicyclo[4.1.0]heptane-5-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 10-Hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-(pyridin-3-ylmethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((10-Hydroxy-7-(2-(pyridin-3-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-((7-(3-(1*H*-Pyrrol-1-yl)pyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 *N*-(1-Cyclopropylethyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((7-(3-Cyclopropylmorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 3-((10-Hydroxy-7-(2-(pyridin-4-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(5-azaspiro[2.5]octane-5-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 *N*-(3-Cyanobenzyl)-10-hydroxy-*N*-methyl-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((7-(3-Cyclopropylazetidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 3-((7-(2,2-Difluoromorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 *N*-(2-Fluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-(1-(Furan-3-yl)ethyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 45 10-Hydroxy-*N*-((1-methylcyclopropyl)methyl)-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-(3-Cyanobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
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- N*-(4-(Cyanomethyl)benzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 *N*-((5,6-Dihydro-2*H*-pyran-3-yl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- N*-((1,3-Dihydroisobenzofuran-5-yl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10 3-((10-Hydroxy-7-(4-oxa-1-azaspiro[5.5]undecane-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-((7-(3-(Difluoromethyl)pyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(3-(trifluoromethyl)morpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 3-((7-(2-Cyclopropylpyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*S*)-2-(isoxazol-3-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 (2*S*)-1-(10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carbonyl)-*N,N*-dimethylpyrrolidine-2-carboxamide
- 3-((10-Hydroxy-7-((*S*)-2-(thiophen-2-ylmethyl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 3-((7-((*S*)-2-(1*H*-1,2,4-Triazol-5-yl)pyrrolidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 3-((10-Hydroxy-7-((*S*)-2-(5-methyl-1*H*-1,2,4-triazol-3-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-((*S*)-2-(4-isopropylloxazol-2-yl)pyrrolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 3-((10-Hydroxy-7-(2-(2-methoxyphenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 45 3-((10-Hydroxy-7-(2-(3-methoxyphenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((10-Hydroxy-7-(2-(4-methoxyphenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

- 3-((10-Hydroxy-7-(2-(pyridin-3-yl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 3-((7-(2-Cyclopropylpiperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((7-(2-Cyclobutylpiperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 3-((10-Hydroxy-7-(2-(methoxymethyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-7-((R)-4-Acetyl-2-phenylpiperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 2-((10-Hydroxy-7-((R)-3-phenylmorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-5-phenylpyridazin-3(2*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-4-methyl-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 6-Chloro-3-(((S)-7-((R)-3-(4-fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 1-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-*N,N*-dimethyl-6-oxo-4-phenyl-1,6-dihydropyridine-3-carboxamide
- 30 3-(((S)-7-((R)-3-(4-Fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-5-yl)pyrimidin-4(3*H*)-one
- 35 3-(((S)-7-((R)-3-(4-Fluorophenyl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-4-yl)pyrimidin-4(3*H*)-one
- 1-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 40 1-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 1-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-2-phenylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 45 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-5-yl)pyrimidin-4(3*H*)-one
- 50 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(pyrrolidin-1-yl)pyrimidin-4(3*H*)-one

- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-4-yl)pyrimidin-4(3*H*)-one
- 5 6-Cyclopropyl-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 3-(((S)-7-((R)-3-(1*H*-Benzo[*d*]imidazol-2-yl)morpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 10 (S)-10-Hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-*N*-((R)-2,2,2-trifluoro-1-phenylethyl)-7-azaspiro[4.5]decane-7-carboxamide
- (R)-3-((4-Hydroxy-1-(3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 15 3-((5-Hydroxy-2-((R)-3-phenylmorpholine-4-carbonyl)-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 20 (R)-3-((4-Hydroxy-1-(2-phenylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-((5-Hydroxy-2-((R)-2-phenylpiperazine-1-carbonyl)-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 (S)-3-((10-Hydroxy-7-(2-phenylpyrazolidine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methylpyrimidin-4(3*H*)-one
- 30 (S)-*N*-(2,3-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 35 (S)-*N*-(2,6-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-*N*-(2,4-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 40 (S)-*N*-(3,4-Difluorobenzyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6*H*)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 3-((9-Hydroxy-6-((R)-3-phenylmorpholine-4-carbonyl)-6-azaspiro[3.5]nonan-9-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 45 3-((9-Hydroxy-6-((R)-2-phenylpiperazine-1-carbonyl)-6-azaspiro[3.5]nonan-9-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

- (S)-N-((3,3-Difluorocyclobutyl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 5 (S)-N-(1,1,1,3,3,3-Hexafluoropropan-2-yl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-10-Hydroxy-10-((2-oxo-4-phenylpyridin-1(2H)-yl)methyl)-N-((R)-2,2,2-trifluoro-1-phenylethyl)-7-azaspiro[4.5]decane-7-carboxamide
- 10 3-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-3-phenylmorpholine-4-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- (S)-N-((1-Fluorocyclopropyl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 15 (S)-N-((1-Fluorocyclobutyl)methyl)-10-hydroxy-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- (S)-N-(Cyclopropylmethyl)-10-hydroxy-N-methyl-10-((6-oxo-4-phenylpyrimidin-1(6H)-yl)methyl)-7-azaspiro[4.5]decane-7-carboxamide
- 20 6-(2-Fluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 25 6-(3-Fluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 6-(4-Fluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 30 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-methoxyphenyl)pyrimidin-4(3H)-one
- 6-(Dimethylamino)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3H)-one
- 35 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(methylamino)pyrimidin-4(3H)-one
- 40 3-(((S)-7-((R)-2-(3-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-((5-Hydroxy-2-((R)-2-phenylpiperazine-1-carbonyl)-9-oxa-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 45 3-(((S)-4-Hydroxy-3,3-dimethyl-1-((R)-2-phenylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-6-phenylpyrimidin-4(3H)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenyl-4-(2,2,2-trifluoroethyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one
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- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-methoxypyrimidin-4(3*H*)-one
- 5 3-((5-Hydroxy-2-((R)-3-phenylmorpholine-4-carbonyl)-9-oxa-2-azaspiro[5.5]undecan-5-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 4-Chloro-1-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyridin-2(1*H*)-one
- 10 4-Cyclopropyl-1-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyridin-2(1*H*)-one
- 15 1-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(1-methyl-1*H*-pyrazol-5-yl)pyridin-2(1*H*)-one
- 1-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(1-methyl-1*H*-pyrazol-4-yl)pyridin-2(1*H*)-one
- 20 1-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(pyrrolidin-1-yl)pyridin-2(1*H*)-one
- 5-Fluoro-1-((10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 25 3-Fluoro-1-((10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- (S)-3-((10-Hydroxy-7-(3-phenylthiomorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 30 3-(((10*S*)-10-Hydroxy-7-(1-imino-1-oxido-3-phenyl-1 λ^6 -thiomorpholine-4-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 (S)-3-((7-(1,1-Dioxido-3-phenylthiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one, and
- 3-(((10*S*)-10-Hydroxy-7-(2-(4-(trifluoromethyl)phenyl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one,
- 40 3-(((10*S*)-10-Hydroxy-7-(2-(thiophen-3-yl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(3-methoxyphenyl)pyrimidin-4(3*H*)-one
- 45 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(4-methoxyphenyl)pyrimidin-4(3*H*)-one

- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*o*-tolyl)pyrimidin-4(3*H*)-one
- 5 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*m*-tolyl)pyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*p*-tolyl)pyrimidin-4(3*H*)-one
- 10 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(thiophen-2-yl)pyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(thiophen-3-yl)pyrimidin-4(3*H*)-one
- 15 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(5-methoxythiophen-2-yl)pyrimidin-4(3*H*)-one
- 20 6-(2,3-Dihydrobenzofuran-5-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 6-(1,3-Dihydroisobenzofuran-5-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 25 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(piperidin-1-yl)pyrimidin-4(3*H*)-one
- 6-(4-Chlorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 30 6-(4-Cyclopropoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 35 6-(4,4-Difluoropiperidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 6-(3-Azabicyclo[3.1.0]hexan-3-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 40 6-(2,3-Dihydrobenzofuran-6-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-(trifluoromethoxy)phenyl)pyrimidin-4(3*H*)-one
- 45 6-(2-Fluorophenyl)-3-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 50 3-(((S)-7-((R)-2-(3-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-methoxyphenyl)pyrimidin-4(3*H*)-one

- 6-(3,3-Difluoroazetidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 5 3-(((10*S*)-10-Hydroxy-7-(2-(thiophen-2-yl)piperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 6-(3,3-Difluoropyrrolidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 10 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-(trifluoromethyl)phenyl)pyrimidin-4(3*H*)-one
- 15 6-(4-Fluoropiperidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 1-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-4-(1-methyl-3-(trifluoromethyl)-1*H*-pyrazol-5-yl)pyridin-2(1*H*)-one
- 20 6-(3,3-Difluoropiperidin-1-yl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 6-(2-(Difluoromethoxy)phenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 25 6-(2-Cyclopropoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 30 6-(2-(Difluoromethyl)phenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 3-(((S)-7-((R)-2-(2,3-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 35 3-(((S)-7-((R)-2-(2,4-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((S)-7-((R)-2-(4-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 40 3-(((10*S*)-7-(2-(2-Fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 45 3-(((S)-10-Hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-(1-methyl-1*H*-pyrazol-3-yl)pyrimidin-4(3*H*)-one
- 3-(((S)-10-Hydroxy-7-((R)-5-oxo-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one

- 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 5 1-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-4-phenylpyridin-2(1*H*)-one
- 6-(3-Fluorophenyl)-3-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 10 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(3-fluorophenyl)pyrimidin-4(3*H*)-one
- 6-Cyclopropyl-3-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 15 6-Cyclopropyl-3-(((S)-7-((R)-2-(2,5-difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 20 3-(((10*S*)-7-(2-(3,4-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 3-(((10*S*)-7-(2-(3,5-difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3*H*)-one
- 25 6-(2-Fluoro-6-methoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 6-(2-Fluoro-6-methylphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 30 6-(3-Fluoro-2-methoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 6-(5-Fluoro-2-methoxyphenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 35 6-(2,3-Difluorophenyl)-3-(((S)-10-hydroxy-7-((R)-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one
- 40 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(*m*-tolyl)pyrimidin-4(3*H*)-one
- 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-fluorophenyl)pyrimidin-4(3*H*)-one
- 45 3-(((S)-7-((R)-2-(2,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-methoxyphenyl)pyrimidin-4(3*H*)-one
- 50 6-(3-Azabicyclo[3.1.0]hexan-3-yl)-3-(((S)-7-((R)-2-(2,5-difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyrimidin-4(3*H*)-one

3-(((S)-10-Hydroxy-7-((R)-2-methyl-2-phenylpiperazine-1-carbonyl)-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

5 4-(2-Fluorophenyl)-1-(((S)-7-((R)-2-(3-fluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)pyridin-2(1H)-one

3-(((S)-7-((R)-2-(3,5-Difluorophenyl)piperazine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-(2-fluorophenyl)pyrimidin-4(3H)-one

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3-(((S)-7-((R)-3-(2,5-Difluorophenyl)thiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

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3-(((S)-7-((R)-3-(2,5-Difluorophenyl)-1,1-dioxidothiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

3-(((10S)-7-((3R)-3-(2,5-Difluorophenyl)-1-imino-1-oxido-1 λ^6 -thiomorpholine-4-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

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3-(((S)-7-((2S,4S)-4-Amino-2-phenylpiperidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

3-(((S)-7-((2S,4R)-4-Amino-2-phenylpiperidine-1-carbonyl)-10-hydroxy-7-azaspiro[4.5]decan-10-yl)methyl)-6-phenylpyrimidin-4(3H)-one

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or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

23. Use of a pharmaceutical composition comprising a compound according to any one of claims 1-22 or a stereoisomer, tautomer, hydrate, *N*-oxide derivative or pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent, in the manufacture of a medicament for the treatment of obesity, insulin resistance, or type II diabetes.

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