[0034] Winkler R, Gillis E, Lasman L, Safra M, Geula S, Soyris C, Nachshon A, Tai-Schmiedel J, Friedman N, Le-Trilling Vu T K, Trilling M, Mandelboim M, Hanna, J H, Schwartz S, Stern-Ginossar N. Nature Immunology (2018, e-publication ahead of print).

[0035] Yue Y, Liu J, He C. Genes Dev. 2015 Jul 1;29(13):1343-55.

[0036] Geon-Woo Kim, Hasan Imam, Mohsin Khan, Aleem Siddiqui, J Biol Chem, (27 Jul 2020; online publication ahead of print).

[0037] Yimeng Gao, Radovan Vasic, Yuanbin Song, Rhea Teng, Chengyang Liu , Rana Gbyli, Giulia Biancon, Raman Nelakanti, Kirsten Lobben, Eriko Kudo, Wei Liu, Anastasia Ardasheva, Xiaoying Fu, Xiaman Wang, Poorval Joshi, Veronica Lee, Burak Dura, Gabriella Viero, Akiko Iwasaki, Rong Fan, Andrew Xiao, Richard A Flavell, Hua-Bing Li, Toma Tebaldi, Stephanie Halene; Immunity (16 June 2020; Volume 52; 6; p887-1132).

[0038] Rosa M Rubio, Daniel P Depledge, Christopher Bianco, Letitia Thompson, Ian Mohr; Genes Dev. 2018 Dec 1;32(23-24):1472-1484.

[0039] An object of this invention is to provide inhibitors of METTL3 activity.

SUMMARY

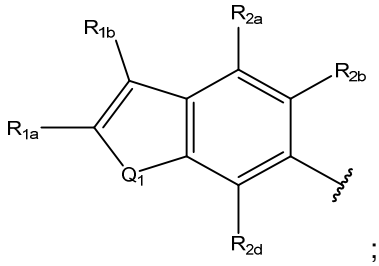
[0039a] In a first aspect, the present disclosure refers to a compound of formula (I) shown below, or a pharmaceutically acceptable salt thereof:

X – Y – Z

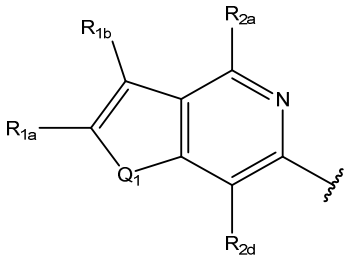
(I)

wherein:

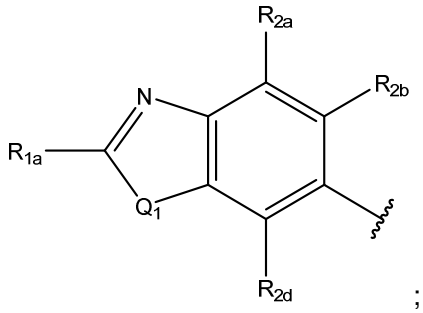
X is selected from:



;



and



;

wherein

Q_1 is selected from NH or N-CH_3;

R_{1a} is a group of the formula:

$$–(CR_{1c}R_{1d})_p–NR_{1e}R_{1f}$$

wherein

p is an integer selected from 1 or 2;

R_{1c} and R_{1d} are independently selected from:

(i) hydrogen (including deuterium),

(ii) $C_{1\text{-}3}$alkyl which is optionally substituted by one more substituents selected from cyano, oxo, hydroxy, $C_{1\text{-}3}$alkoxy, halo, $C_{1\text{-}3}$haloalkoxy, -O-$C_{3\text{-}4}$cycloalkyl, or NH_2; wherein -O-$C_{3\text{-}6}$cycloalkyl is optionally subsitutued with halo, cyano or hydroxy,

(iii) or R_{1c} and R_{1d} are linked together such that, together with the carbon atom to which they are attached, they form a 3- to 5-membered cycloalkyl or heterocyclic ring, or a spirocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, $NR_{1ca}R_{1da}$ or $-S(O)_{0-2}R_{1ca}R_{1da}$, wherein R_{1ca} and R_{1da} are H or C_{1-2}alkyl;

R_{1e} and R_{1f} are each independently selected from:

(i) hydrogen (including deuterium);

(ii) C_{1-6}alkyl which is optionally substituted by one more substituents selected from cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy and NH_2;

(iii) a group with the formula:

$$-(CR_{1g}R_{1h})_q-T_1$$

wherein:

q is 0, 1, 2 or 3;

R_{1g} and R_{1h} are independently selected from:

a) hydrogen (including deuterium);

b) C_{1-6}alkyl which is optionally substituted by one more substituents selected from cyano, hydroxy, C_{1-4}alkoxy, halo, C_{1-4}haloalkoxy, -O-C_{3-6}cycloalkyl, $NR_{1ca}R_{1da}$ or $-S(O)_{0-2}R_{1ca}R_{1da}$, wherein R_{1ca} and R_{1da} are H or C_{1-2}alkyl$NR_{1ga}R_{1ha}$ or $-S(O)_{0-2}R_{1ga}R_{1ha}$, wherein R_{1ga} and R_{1ha} are H or C_{1-2}alkyl; and wherein -O-C_{3-6}cycloalkyl is optionally subsitutued with halo, cyano or hydroxy; or

c) or R_{1g} and R_{1h} are optionally linked together such that, together with the carbon atom to which they are attached, they form a 3- to 6-membered cycloalkyl or heterocyclic ring which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, $NR_{1ga}R_{1ha}$ or $-S(O)_{0-2}R_{1ga}R_{1ha}$, wherein R_{1ga} and R_{1ha} are H or C_{1-2}alkyl;

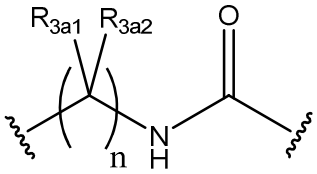
and T_1 is selected from hydrogen, halo, C_{1-4}alkyl, C_{1-4}haloalkyl, cyano, hydroxy, $NR_{1t}R_{2t}$ or $-S(O)_{0-2}R_{1t}R_{2t}$ (wherein R_{1t} and R_{2t} are H or C_{1-4}alkyl), C_{3-8}cycloalkyl, C_{2-3}alkenyl, C_{2-3}alkynyl, aryl, heterocyclyl, a mono- or bicyclic heteroaryl, a spirocyclic carbocyclic or heterocyclic ring system, a bridged C_{3-8}cycloalkyl, a bridged bicyclic C_{5-12}cycloalkyl, or a bridged heterocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, C_{3-6}cycloalkyl, $NR_{3t}R_{4t}$ or $-S(O)_{0-2}R_{3t}R_{4t}$, wherein R_{3t} and R_{4t} are H or C_{1-2}alkyl;

(iv) or R_{1e} and R_{1f} are linked such that, together with the nitrogen atom to which they are attached, they form a mono- or bicyclic-heterocyclic ring, which is optionally substituted by one or more substituents selected from C_{1-4}alkyl, C_{1-4}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-4}alkoxy, halo, C_{1-4}haloalkoxy, $NR_{1i}R_{1j}$ or $-S(O)_{0-2}R_{1i}R_{1j}$, wherein R_{1i} and R_{1j} are H or C_{1-4}alkyl, and/or the mono- or bicyclic hetereocyclic ring formed by R_{1e} and R_{1f} is optionally spiro-fused to a C_{3-6}cycloalkyl or a heterocyclic ring, which in turn is optionally substituted by one or more substituents selected from C_{1-4}alkyl, C_{1-4}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-4}alkoxy, halo, C_{1-4}haloalkoxy, $NR_{1i}R_{1j}$ or $-S(O)_{0-2}R_{1i}R_{1j}$, wherein R_{1i} and R_{1j} are H or C_{1-4}alkyl;

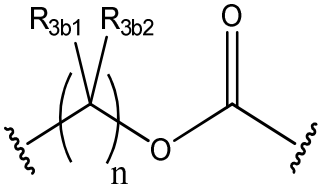
R_{1b} is selected from hydrogen, halo or C_{1-2} alkyl;

R_{2a}, R_{2b} and R_{2d} are independently selected from hydrogen, cyano, halo or C_{1-3}alkyl;

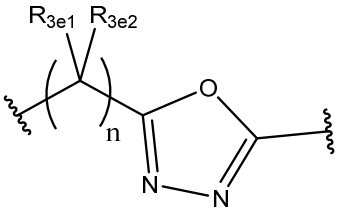
Y is selected from:



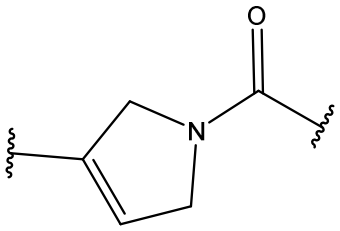
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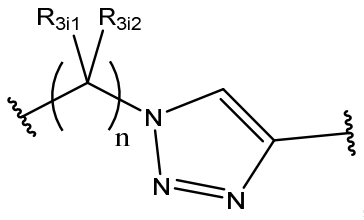
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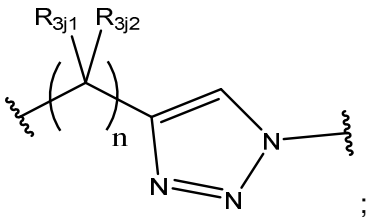
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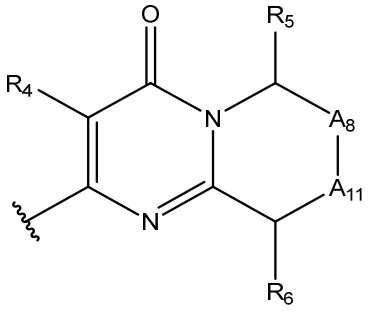
wherein:

R_{3a1}, R_{3b1}, R_{3e1}, R_{3i1} and R_{3j1} are independently selected from hydrogen and methyl; and wherein methyl is substituted with a hydroxy substituent;

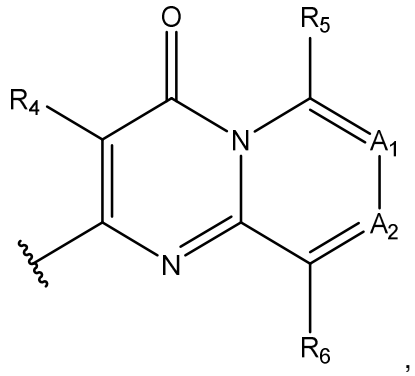
R_{3a2}, R_{3b2}, R_{3e2}, R_{3i2} and R_{3j2} are hydrogen;

n is 1 or 2;

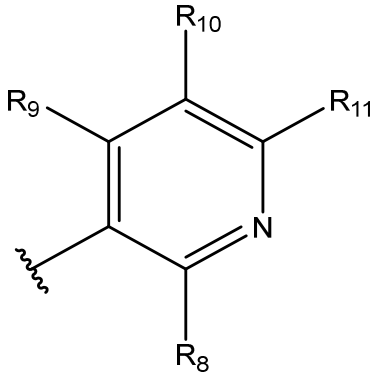
Z is selected from:



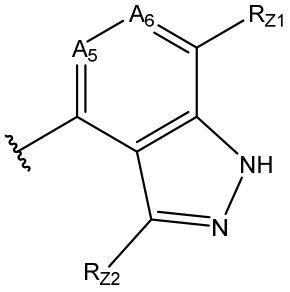
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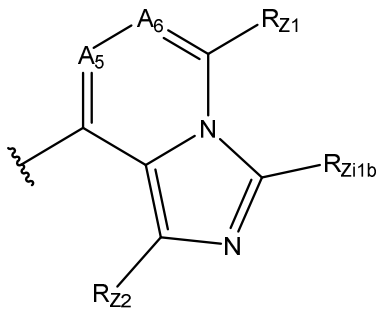
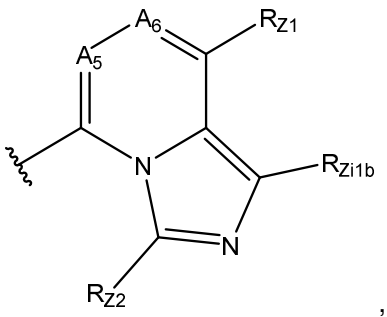
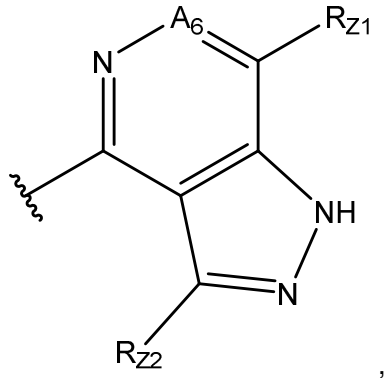
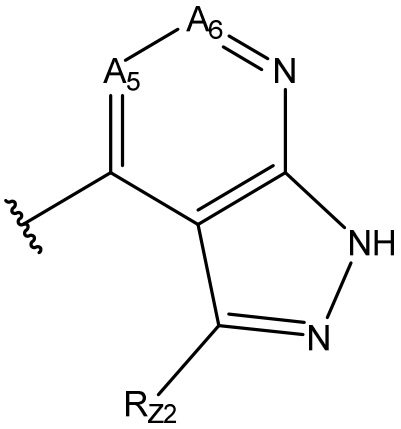
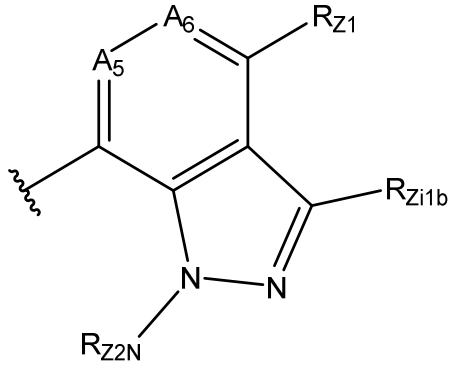
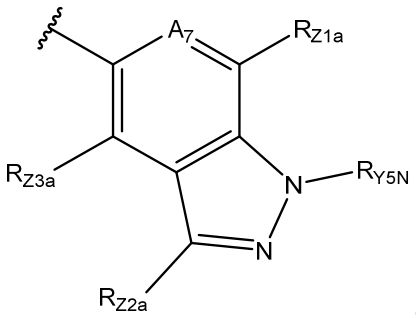
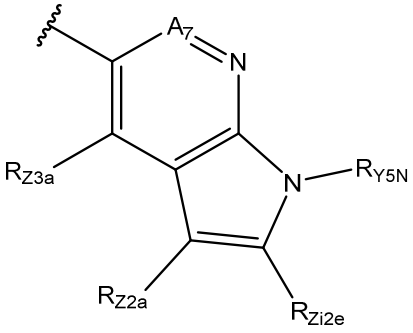
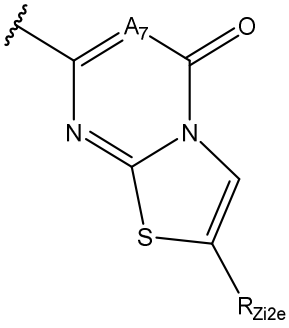
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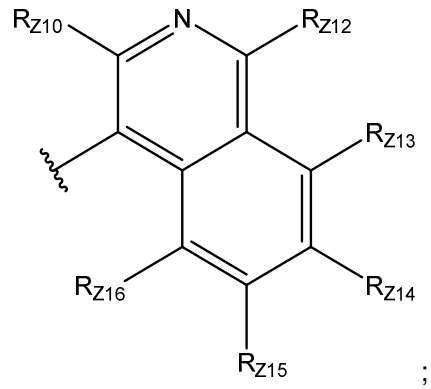


,,



,


A6
RZ1
A5
N
RZi1b
N
RZ2
,

A6
RZ1
A5
N
RZi1b
N
RZ2
,

A6
RZ1
N
NH
N
RZ2
,

A6
A5
N
NH
N
RZ2
,

A6
RZ1
A5
RZi1b
N
N
RZ2N
,

A7
RZ1a
RZ3a
N
RY5N
N
RZ2a
,

A7
N
RZ3a
N
RY5N
RZ2a
RZi2e
,

A7
O
N
N
S
RZi2e
and



;

wherein:

(i) R_4, R_5, R_6, R_8, R_9, R_{10}, R_{11}, R_{Z2}, R_{Z2a}, R_{Z3a}, R_{Zi1b}, R_{Zi2e}, R_{Z9}, $R_{Z10,}$ R_{Z11}, R_{Z12}, R_{Z13}, R_{Z14}, R_{Z15} and R_{Z16} are independently selected from hydrogen, methyl, cyano or halo; and

R_{Y5N} and R_{Z2N} are selected from methyl or hydrogen;

(ii) R_{Z1} and R_{Z1a} are selected from hydrogen, C_{1-4}alkyl, cyano, halo, C_{1-4}haloalkyl, C_{1-4}haloalkoxy, C_{1-4}alkoxy, C_{3-6}cycloalkyl and -O-C_{3-6}cycloalkyl;

(iii) R_{12}, R_{13}, R_{16}, R_{18}, R_{19}, R_{20}, R_{24} and R_{30} are independently selected from hydrogen, halo, cyano and methyl;

(iv) R_{17} is selected from hydrogen, halo, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{1-4} alkoxy, C_{1-4} haloalkoxy, C_{2-4} alkenyl, C_{2-4} alkynyl, phenyl a 5- or 6-membered or heteroaryl, C_{3-6}cycloalkyl, -O-C_{3-6}cycloalkyl, heterocyclyl, -$(OCH_2CH_2)_m$-OCH_3 wherein m is an integer from 1 to 6, NR_qR_r, wherein R_q and R_r are each independently hydrogen, C_{1-4} alkyl or R_q and R_r are linked together such that, together with the nitrogen atom to which they are attached, they form a 3- to 6-membered heterocyclic ring; ; wherein any C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, phenyl, 5- or 6-membered or heteroaryl, C_{3-6}cycloalkyl, -O-C_{3-6}cycloalkyl, heterocyclyl or -O-heterocyclyl (carbon-linked) is optionally further substituted by one or more substituents selected from C_{1-2}alkyl, cyano, C_{1-2}haloalkyl, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, $NR_{1ea}R_{1fa}$ or -$S(O)_{0-2}R_{1ea}R_{1fa}$, wherein R_{1ea} and R_{1fa} are H or C_{1-2}alkyl;

(v) R_{21} and R_{30} are independently selected from hydrogen or methyl;

(vi) R_{28} and R_{29} are selected from hydrogen or halo, methoxy and methyl.

[0039b] In another aspect, the present disclosure refers to a compound, or a pharmaceutically acceptable salt thereof, selected from any one of the following:

N-({2-[(4,4-dimethylpiperidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(3,3-difluorocyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-hydroxycyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-fluorocyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-methylcyclopropyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(2-azabicyclo[2.1.1]hexan-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(3-azabicyclo[3.1.1]heptanean-3-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[2-(hydroxymethyl)pyrrolidin-1-yl]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(morpholinomethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(1-adamantylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[[2-(1-piperidylmethyl)-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide

N-[[2-[(4-fluoro-1-piperidyl)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[[2-[[[rac-(1S,2S,4S)-7-oxabicyclo[2.2.1]heptane-5-en-2-yl]methylamino]methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-hydroxycyclopentyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[[2-[[[rac-(1S,2R,4S)-7-oxabicyclo[2.2.1]heptane-5-en-2-yl]methylamino]methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(1-bicyclo[1.1.1]pentanylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclobutylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[({bicyclo[2.2.1]heptanean-2-yl}amino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclopropylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(2-azabicyclo[2.2.2]octan-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(2,2-difluorocyclopropyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclohexylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-hydroxycyclohexyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclopentylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclopentylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-methoxycyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(isobutylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclohexylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclopropylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[[2-[(prop-2-ynylamino)methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(oxetan-2-ylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(2,2-dimethylpropylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(1-bicyclo[1.1.1]pentanylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({[(1S,2S)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({[(1R,2R)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({[(1S,2R)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({[(1R,2S)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclopropylmethylamino)methyl]-5-fluoro-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclobutylmethylamino)methyl]-5-fluoro-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[[2-[(2,2,2-trifluoroethylamino)methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[N-(cyclobutylmethyl)acetamido]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-{[2-(piperidin-2-yl)-1H-indol-6-yl]methyl}-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-3-fluoro-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1-methyl-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(Cyclobutylmethylamino)-dideuterio-methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclobutylmethylamino)methyl]-1H-indol-6-yl]methyl]-1H-indazole-4-carboxamide;

N-[[2-[(cyclobutylmethylamino)methyl]-1H-pyrrolo[3,2-b]pyridin-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-(1H-indol-6-ylmethyl)-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-(1H-indol-2-ylmethyl)-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-(indolizin-2-ylmethyl)-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(6-{[4-(1H-indazol-4-yl)-1H-1,2,3-triazol-1-yl]methyl}-1H-indol-2-yl)methyl]cyclopropanamine;

(1R,2S)-2-[[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methylamino]cyclopentanol;

N-[[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methyl]cyclopentanamine;

N-(cyclopropylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methanamine;

1-[[[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methylamino]methyl]cyclobutanol;

N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methanamine;

N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-pyrrolo[3,2-b]pyridin-2-yl]methanamine;

N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-pyrrolo[3,2-c]pyridin-2-yl]methanamine;

N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-pyrrolo[3,2-c]pyridin-2-yl]methanamine;

2-[1-[[2-[(cyclobutylmethylamino)methyl]-1H-indol-6-yl]methyl]triazol-4-yl]pyrido[1,2-a]pyrimidin-4-one;

N-(cyclobutylmethyl)-1-[6-[[4-(6-methoxyimidazo[1,5-a]pyridin-8-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methanamine;

N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)imidazol-1-yl]methyl]-1H-indol-2-yl]methanamine;

N-(cyclobutylmethyl)-1-[6-[[3-(1H-indazol-4-yl)-1,2,4-oxadiazol-5-yl]methyl]-1H-indol-2-yl]methanamine;

N-[[2-(2-azaspiro[3.3]heptanean-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(benzylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(3-azabicyclo[3.1.0]hexan-3-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[cyclobutylmethyl(methyl)amino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclobutylmethylamino)methyl]-1H-pyrrolo[2,3-b]pyridin-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-1,3-benzodiazol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(but-2-yn-1-yl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(3-cyclopropylprop-2-yn-1-yl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[({bicyclo[3.1.0]hexan-6-yl}amino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({bicyclo[2.1.1]hexan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-methylbicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-methylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-fluoroazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(azetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({2-azaspiro[3.4]octan-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-hydroxyazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3,3-dimethylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[(2-{[3-(2,2,2-trifluoroethoxy)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[3-(difluoromethyl)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-methoxyazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[3-(tert-butoxy)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[(2-{[3-(trifluoromethyl)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-ethoxyazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({2-azaspiro[3.5]nonan-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(2-methylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3,3-dimethylpyrrolidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({6-fluoro-2-azaspiro[3.3]heptanean-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({6,6-difluoro-2-azaspiro[3.3]heptanean-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-cyclobutylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-cyclopropylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-tert-butylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(1-tert-butylcyclopropyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({[(3-methylcyclobutyl)methyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[(2-{[(2,3,3-trimethylbutan-2-yl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({imidazo[1,2-a]pyridin-2-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3,3-diethylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[(2-{[(pent-3-yn-1-yl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({6-azaspiro[3.4]octan-6-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(2,2-dimethylpyrrolidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({octahydrocyclopenta[c]pyrrol-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({5-azaspiro[2.4]heptanean-5-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-methoxybicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[(2-{[({spiro[2.2]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-({2-[({spiro[2.3]hexan-1-yl}amino)methyl]-1H-indol-6-yl}methyl)-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-cyanobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({1-oxa-6-azaspiro[3.4]octan-6-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({2-azaspiro[4.4]nonan-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(1-methylcyclopentyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-(hydroxymethyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(1-cyclobutylcyclopropyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({[(1-methylcyclobutyl)methyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-oxo-N-[(2-{[({spiro[2.3]hexan-5-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[({[3-(fluoromethyl)bicyclo[1.1.1]pentan-1-yl]methyl}amino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(1-{3-fluorobicyclo[1.1.1]pentan-1-yl}ethyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(tert-butylamino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

4-(1-{[2-({2-azaspiro[3.3]heptanean-2-yl}methyl)-1H-indol-6-yl]methyl}-1H-1,2,3-triazol-4-yl)-1H-indazole;

N-{[2-(2-{2-azaspiro[3.3]heptanean-2-yl}ethyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)({6-[(4-{imidazo[1,5-a]pyridin-8-yl}-1H-1,2,3-triazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;

N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-5-oxo-5H-[1,3]thiazolo[3,2-a]pyrimidine-7-carboxamide;

N-[(2-{[({bicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-b]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-b]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-pyrrolo[3,2-b]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-methylbicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({bicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-c]qyridine-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H,6H,7H,8H,9H-pyrido[1,2-a]pyrimidine-2-carboxamide;

(cyclobutylmethyl)({6-[(4-{1H-pyrrolo[2,3-b]pyridin-5-yl}-1H-imidazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;

(cyclobutylmethyl)({6-[(4-{imidazo[1,5-a]pyridin-8-yl}-1H-1,2,3-triazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;

N-[(2-{[(2,2-dimethylpropyl)amino]methyl}-1H-indol-6-yl)methyl]-1H-pyrrolo[2,3-b]pyridine-5-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-1H-pyrrolo[2,3-b]pyridine-5-carboxamide;

(cyclobutylmethyl)({6-[(4-{1H-pyrrolo[2,3-b]pyridin-5-yl}-1H-1,2,3-triazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;

N-[[2-(2-azabicyclo[2.2.1]heptanean-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(3-fluoro-1-bicyclo[1.1.1]pentanyl)methyl]-1-[6-[(4-imidazo[1,5-a]pyridin-8-yltriazol-1-yl)methyl]-1H-pyrrolo[3,2-c]pyridin-2-yl]methanamine;

(cyclobutylmethyl)[(6-{[1-(1H-indazol-4-yl)-1H-1,2,3-triazol-4-yl]methyl}-1H-indol-2-yl)methyl]amine;

[(3,3-difluorocyclobutyl)methyl][(6-{[1-(1H-indazol-4-yl)-1H-1,2,3-triazol-4-yl]methyl}-1H-indol-2-yl)methyl]amine;

(cyclobutylmethyl)[(6-{[1-(isoquinolin-4-yl)-1H-1,2,3-triazol-4-yl]methyl}-1H-indol-2-yl)methyl]amine;

(cyclobutylmethyl)({6-[(1-{imidazo[1,5-a]pyridin-8-yl}-1H-1,2,3-triazol-4-yl)methyl]-1H-indol-2-yl}methyl)amine.;

3-[1-({2-[({(Bicyclo[1.1.1]pent-1-yl)methyl}amino)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-5-methoxy-2-pyridinecarbonitrile;

3-[1-({2-[({(3-Fluorobicyclo[1.1.1]pent-1-yl)methyl}amino)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-5-methoxy-2-pyridinecarbonitrile;

5-Methoxy-3-[1-({2-[({(3-methylbicyclo[1.1.1]pent-1-yl)methyl}amino)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-2-pyridinecarbonitrile;

3-{1-[(2-{[(Cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-1H-1,2,3-triazol-4-yl}-5-methoxy-2-pyridinecarbonitrile;

3-{1-[(2-{(6-Aza-6-spiro[3.4]octyl)methyl}-1H-indol-6-yl)methyl]-1H-1,2,3-triazol-4-yl}-5-methoxy-2-pyridinecarbonitrile;

CLAIMS

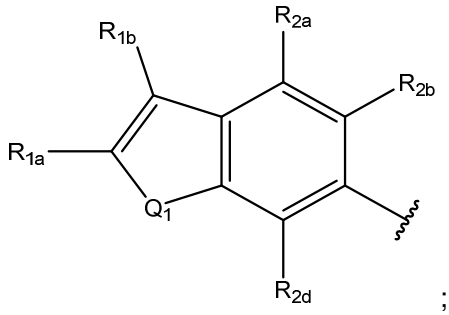
1. A compound of formula (I) shown below, or a pharmaceutically acceptable salt thereof:

$$X – Y – Z$$

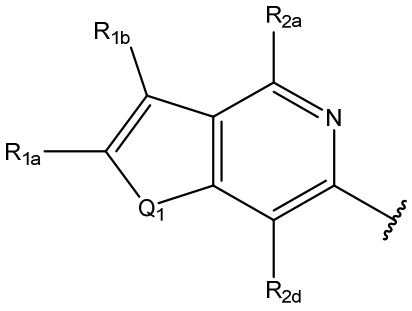
(I)

wherein:

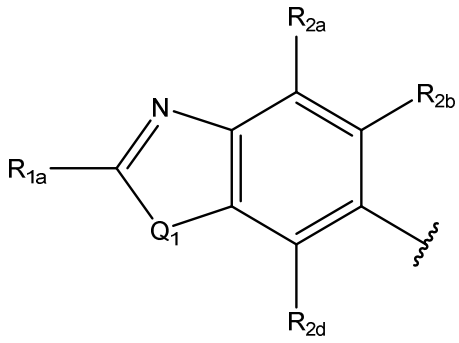
X is selected from:



;



and



;

wherein

Q_1 is selected from NH or N-CH_3;

R_{1a} is a group of the formula:

$$–(CR_{1c}R_{1d})_p–NR_{1e}R_{1f}$$

wherein

p is an integer selected from 1 or 2;

R_{1c} and R_{1d} are independently selected from:

(i) hydrogen (including deuterium),

(ii) $C_{1\text{-}3}$alkyl which is optionally substituted by one more substituents selected from cyano, oxo, hydroxy, $C_{1\text{-}3}$alkoxy, halo, $C_{1\text{-}3}$haloalkoxy, -O-$C_{3\text{-}4}$cycloalkyl, or NH_2; wherein -O-$C_{3\text{-}6}$cycloalkyl is optionally subsitutued with halo, cyano or hydroxy,

(iii) or R_{1c} and R_{1d} are linked together such that, together with the carbon atom to which they are attached, they form a 3- to 5-membered cycloalkyl or heterocyclic ring, or a spirocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, $NR_{1ca}R_{1da}$ or $-S(O)_{0-2}R_{1ca}R_{1da}$, wherein R_{1ca} and R_{1da} are H or C_{1-2}alkyl;

R_{1e} and R_{1f} are each independently selected from:

(i) hydrogen (including deuterium);

(ii) C_{1-6}alkyl which is optionally substituted by one more substituents selected from cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy and NH_2;

(iii) a group with the formula:

$$-(CR_{1g}R_{1h})_q-T_1$$

wherein:

q is 0, 1, 2 or 3;

R_{1g} and R_{1h} are independently selected from:

a) hydrogen (including deuterium);

b) C_{1-6}alkyl which is optionally substituted by one more substituents selected from cyano, hydroxy, C_{1-4}alkoxy, halo, C_{1-4}haloalkoxy, -O-C_{3-6}cycloalkyl, $NR_{1ca}R_{1da}$ or $-S(O)_{0-2}R_{1ca}R_{1da}$, wherein R_{1ca} and R_{1da} are H or C_{1-2}alkyl$NR_{1ga}R_{1ha}$ or $-S(O)_{0-2}R_{1ga}R_{1ha}$, wherein R_{1ga} and R_{1ha} are H or C_{1-2}alkyl; and wherein -O-C_{3-6}cycloalkyl is optionally subsitutued with halo, cyano or hydroxy; or

c) or R_{1g} and R_{1h} are optionally linked together such that, together with the carbon atom to which they are attached, they form a 3- to 6-membered cycloalkyl or heterocyclic ring which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, $NR_{1ga}R_{1ha}$ or $-S(O)_{0-2}R_{1ga}R_{1ha}$, wherein R_{1ga} and R_{1ha} are H or C_{1-2}alkyl;

and T_1 is selected from hydrogen, halo, C_{1-4}alkyl, C_{1-4}haloalkyl, cyano, hydroxy, $NR_{1t}R_{2t}$ or $-S(O)_{0-2}R_{1t}R_{2t}$ (wherein R_{1t} and R_{2t} are H or C_{1-4}alkyl), C_{3-8}cycloalkyl, C_{2-3}alkenyl, C_{2-3}alkynyl, aryl, heterocyclyl, a mono- or bicyclic heteroaryl, a spirocyclic carbocyclic or heterocyclic ring system, a bridged C_{3-8}cycloalkyl, a bridged bicyclic C_{5-12}cycloalkyl, or a bridged heterocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}-

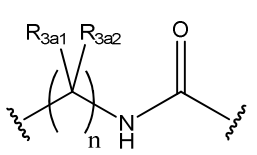
haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, C_{3-6}cycloalkyl, $NR_{3t}R_{4t}$ or $-S(O)_{0-2}R_{3t}R_{4t}$, wherein R_{3t} and R_{4t} are H or C_{1-2}alkyl;

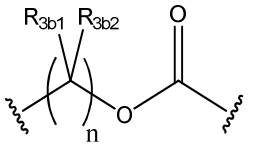
(iv) or R_{1e} and R_{1f} are linked such that, together with the nitrogen atom to which they are attached, they form a mono- or bicyclic-heterocyclic ring, which is optionally substituted by one or more substituents selected from C_{1-4}alkyl, C_{1-4}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-4}alkoxy, halo, C_{1-4}haloalkoxy, $NR_{1i}R_{1j}$ or $-S(O)_{0-2}R_{1i}R_{1j}$, wherein R_{1i} and R_{1j} are H or C_{1-4}alkyl, and/or the mono- or bicyclic hetereocyclic ring formed by R_{1e} and R_{1f} is optionally spiro-fused to a C_{3-6}cycloalkyl or a heterocyclic ring, which in turn is optionally substituted by one or more substituents selected from C_{1-4}alkyl, C_{1-4}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-4}alkoxy, halo, C_{1-4}haloalkoxy, $NR_{1i}R_{1j}$ or $-S(O)_{0-2}R_{1i}R_{1j}$, wherein R_{1i} and R_{1j} are H or C_{1-4}alkyl;

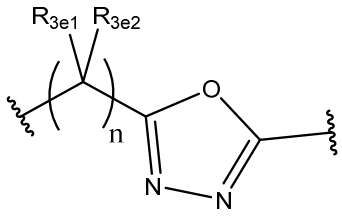
R_{1b} is selected from hydrogen, halo or C_{1-2} alkyl;

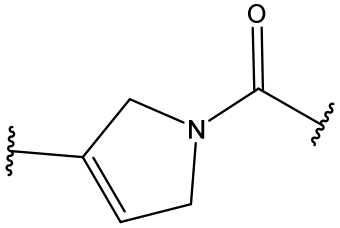
R_{2a}, R_{2b} and R_{2d} are independently selected from hydrogen, cyano, halo or C_{1-3}alkyl;

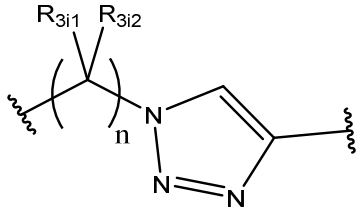
Y is selected from:

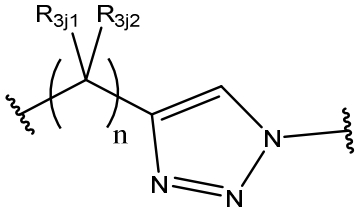


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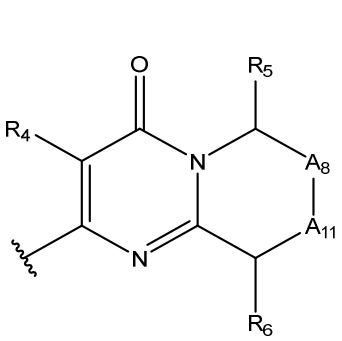
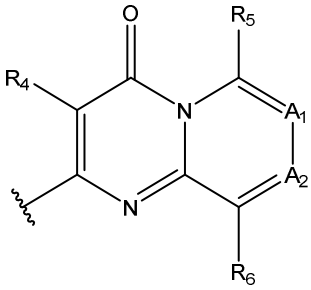
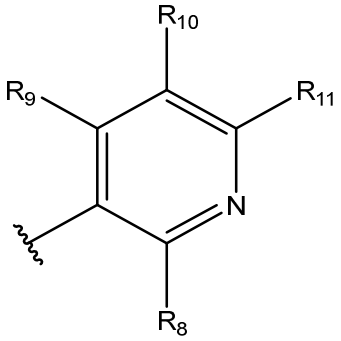
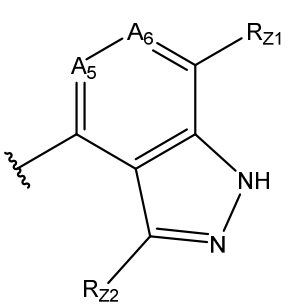
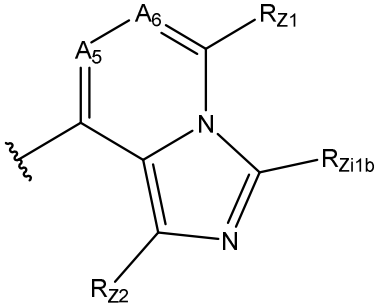
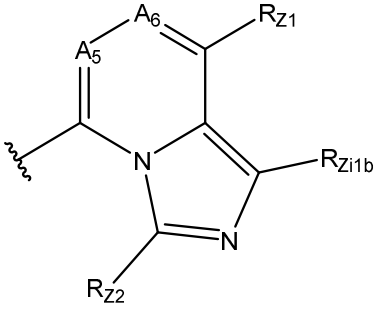
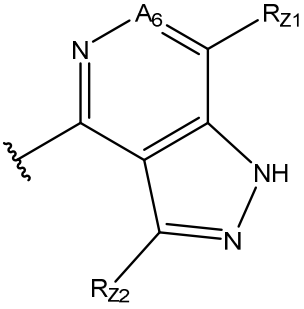
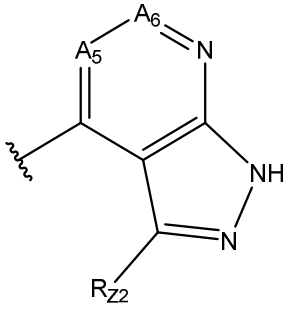
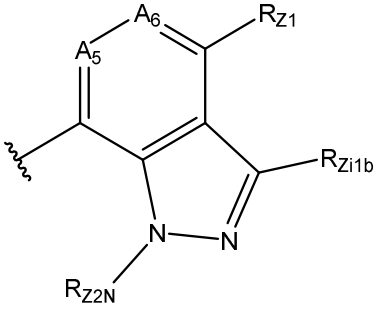
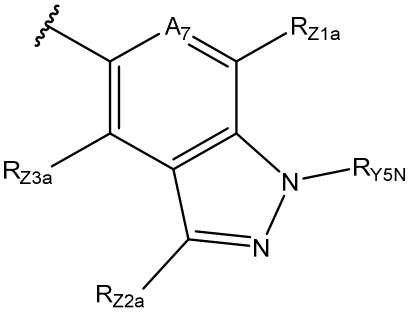
wherein:

R_{3a1}, R_{3b1}, R_{3e1}, R_{3i1} and R_{3j1} are independently selected from hydrogen and methyl; and wherein methyl is substituted with a hydroxy substituent;

R_{3a2}, R_{3b2}, R_{3e2}, R_{3i2} and R_{3j2} are hydrogen;

n is 1 or 2;

Z is selected from:


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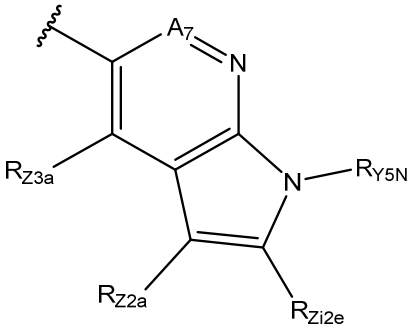
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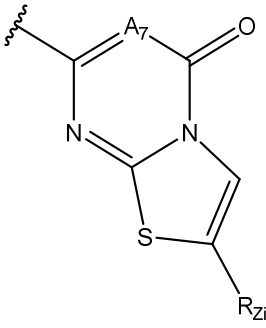
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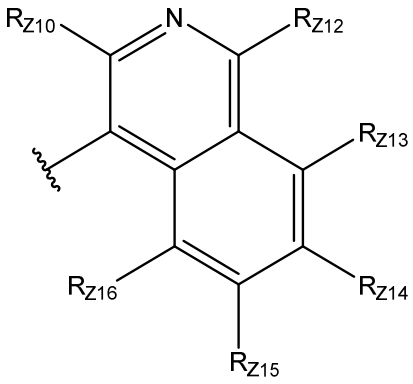
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and



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wherein:

(i) R_4, R_5, R_6, R_8, R_9, R_{10}, R_{11}, R_{Z2}, R_{Z2a}, R_{Z3a}, R_{Zi1b}, R_{Zi2e}, R_{Z9}, $R_{Z10,}$ R_{Z11}, R_{Z12}, R_{Z13}, R_{Z14}, R_{Z15} and R_{Z16} are independently selected from hydrogen, methyl, cyano or halo; and

R_{Y5N} and R_{Z2N} are selected from methyl or hydrogen;

(ii) R_{Z1} and R_{Z1a} are selected from hydrogen, C_{1-4}alkyl, cyano, halo, C_{1-4}haloalkyl, C_{1-4}haloalkoxy, C_{1-4}alkoxy, C_{3-6}cycloalkyl and -O-C_{3-6}cycloalkyl;

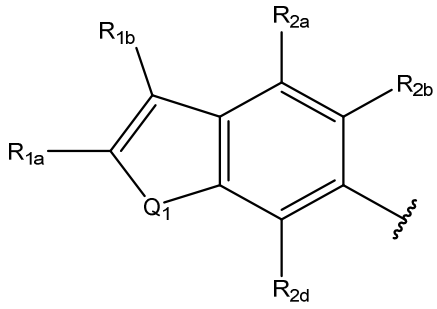
(iii) R_{12}, R_{13}, R_{16}, R_{18}, R_{19}, R_{20}, R_{24} and R_{30} are independently selected from hydrogen, halo, cyano and methyl;

(iv) R_{17} is selected from hydrogen, halo, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{1-4} alkoxy, C_{1-4} haloalkoxy, C_{2-4} alkenyl, C_{2-4} alkynyl, phenyl a 5- or 6-membered or heteroaryl, C_{3-6}cycloalkyl, -O-C_{3-6}cycloalkyl, heterocyclyl, -$(OCH_2CH_2)_m$-OCH_3 wherein m is an integer from 1 to 6, NR_qR_r, wherein R_q and R_r are each independently hydrogen, C_{1-4} alkyl or R_q and R_r are linked together such that, together with the nitrogen atom to which they are attached, they form a 3- to 6-membered heterocyclic ring; ; wherein any C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, phenyl, 5- or 6-membered or heteroaryl, C_{3-6}cycloalkyl, -O-C_{3-6}cycloalkyl, heterocyclyl or -O-heterocyclyl (carbon-linked) is optionally further substituted by one or more substituents selected from C_{1-2}alkyl, cyano, C_{1-2}haloalkyl, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy, $NR_{1ea}R_{1fa}$ or -$S(O)_{0-2}R_{1ea}R_{1fa}$, wherein R_{1ea} and R_{1fa} are H or C_{1-2}alkyl;

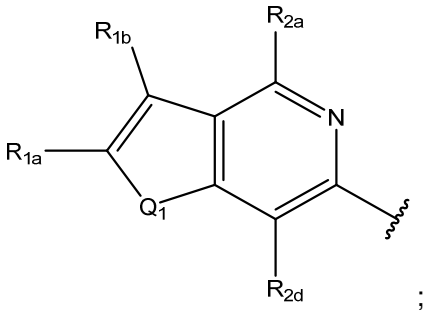
(v) R_{21} and R_{30} are independently selected from hydrogen or methyl;

(vi) R_{28} and R_{29} are selected from hydrogen or halo, methoxy and methyl.

2. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein X is selected from:



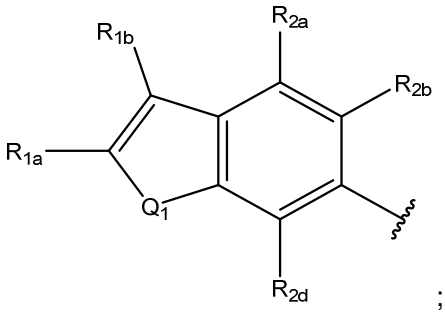
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wherein Q_1, R_{1a}, R_{1b}, R_{2a}, R_{2b} and R_{2d} are as defined in claim 1;

optionally wherein X is selected from:

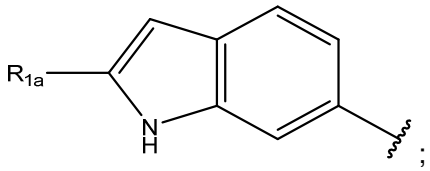


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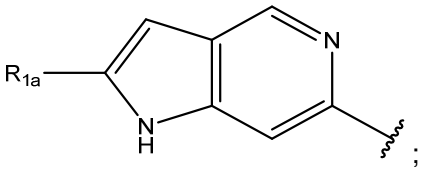
wherein Q_1, R_{1a}, R_{1b}, R_{2a}, R_{2b} and R_{2d} are as defined in claim 1.

3. A compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein Q_1 is NH.

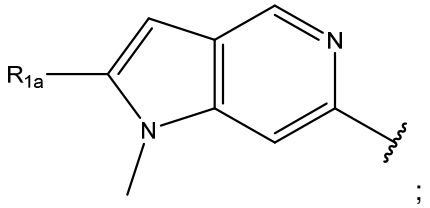
4. A compound according to any one of claims 1, 2 or 3, or a pharmaceutically acceptable salt thereof, wherein X is selected from:



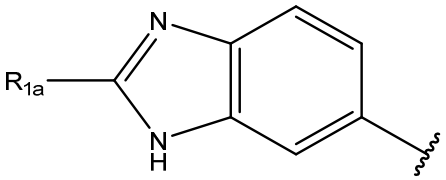
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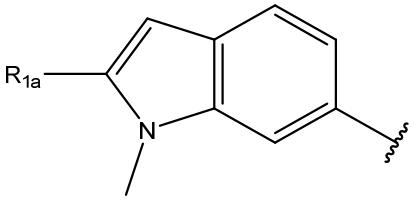
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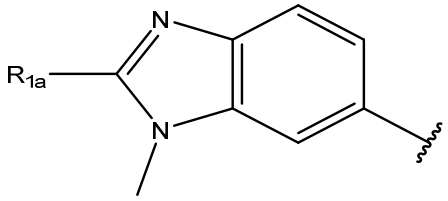
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; and

wherein R_{1a} is as defined in claim 1.

5. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{1a} is

a group of the formula:

$$–(CR_{1c}R_{1d})_p–NR_{1e}R_{1f}$$

wherein

p is an integer selected from 1 or 2;

R_{1c} and R_{1d} are independently selected from:

(i) hydrogen (including deuterium), or

(ii) C_{1-3}alkyl which is optionally substituted by one more substituents selected from cyano, oxo, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy and -O-C_{3-6}cycloalkyl;

R_{1e} is selected from hydrogen (including deuterium) or C_{1-2}alkyl;

and R_{1f} is

a group with the formula:

$$–(CR_{1g}R_{1h})_q–T_1$$

wherein:

q is 1 or 2;

R_{1g} and R_{1h} are independently selected from:

a) hydrogen (including deuterium); or

b) C_{1-2}alkyl which is optionally substituted by one more substituents selected from cyano, oxo, hydroxy, C_{1-3}alkoxy, halo or C_{1-2}haloalkoxy

and T_1 is selected from C_{1-4}alkyl, C_{1-4}haloalkyl, aryl, heterocyclyl, a mono- or bicyclic heteroaryl, a spirocyclic carbocyclic or heterocyclic ring system, a bridged C_{3-8}cycloalkyl, a bridged bicyclic C_{5-12}cycloalkyl, or a bridged heterocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}-haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy or C_{3-6}cycloalkyl;

or R_{1e} and R_{1f} are linked such that, together with the nitrogen atom to which they are attached, they form a mono- or bicyclic-heterocyclic ring, which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo or C_{1-2}haloalkoxy, and/or the mono- or bicyclic hetereocyclic ring formed by R_{1e} and R_{1f} is optionally spiro-fused to a C_{3-6}cycloalkyl or a heterocyclic ring, which in turn is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}-haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo or C_{1-2}haloalkoxy; wherein any wherein any alkyl, alkoxy or C_{3-6}cycloalkyl is further optionally substituted by one or more substituents selected from cyano, hydroxy, halo, $NR_{1k}R_{1l}$ or $-S(O)_{0-2}R_{1k}R_{1l}$, wherein R_{1k} and R_{1l} are H or C_{1-4}alkyl.

6. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{1a} is a group of the formula:

$$–(CR_{1c}R_{1d})_p–NR_{1e}R_{1f}$$

wherein

p is 1;

R_{1c} and R_{1d} are independently selected from hydrogen (including deuterium) or C_{1-2}alkyl;

R_{1e} is selected from hydrogen (including deuterium) or C_{1-2}alkyl; and

R_{1f} is a group with the formula:

$$–(CR_{1g}R_{1h})_q–T_1$$

wherein:

q is 1 or 2;

R_{1g} and R_{1h} are independently selected from hydrogen (including deuterium) or C_{1-2}alkyl;

and T_1 is selected from C_{3-4}cycloalkyl, heterocyclyl, a mono- or bicyclic heteroaryl, a spirocyclic carbocyclic or heterocyclic ring system, a bridged C_{3-8}cycloalkyl, a bridged bicyclic C_{5-12}cycloalkyl, or a bridged heterocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy or C_{3-6}cycloalkyl;

or R_{1e} and R_{1f} are linked such that, together with the nitrogen atom to which they are attached, they form a mono- or bicyclic-heterocyclic ring, which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo or C_{1-2}haloalkoxy, and/or the mono- or bicyclic hetereocyclic ring formed by R_{1e} and R_{1f} is optionally spiro-fused to a C_{3-6}cycloalkyl or a heterocyclic ring; which in turn is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo or C_{1-2}haloalkoxy, wherein any alkyl, alkoxy or C_{3-6}cycloalkyl is further optionally substituted by one or more substituents selected from cyano, hydroxy, halo, $NR_{1k}R_{1l}$ or $-S(O)_{0-2}R_{1k}R_{1l}$, wherein R_{1k} and R_{1l} are H or C_{1-4}alkyl.

7. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{1a} is a group of the formula:

$$–(CR_{1c}R_{1d})_p–NR_{1e}R_{1f}$$

wherein

R_{1c} and R_{1d} are independently selected from hydrogen (including deuterium) or C_{1-2}alkyl;

R_{1e} is selected from hydrogen (including deuterium) or C_{1-2}alkyl; and

R_{1f} is a group with the formula:

$$–(CR_{1g}R_{1h})_q–T_1$$

wherein:

q is 1;

R_{1g} and R_{1h} are independently selected from hydrogen (including deuterium) or C_{1-2}alkyl;

and T_1 is selected from C_{3-4}cycloalkyl, heterocyclyl, a spirocyclic carbocyclic or heterocyclic ring system, a bridged C_{3-8}cycloalkyl, a bridged bicyclic C_{5-12}cycloalkyl, or a bridged heterocyclic ring system, each of which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo, C_{1-2}haloalkoxy or C_{3-6}cycloalkyl,

wherein any alkyl or alkoxy is optionally further substituted by one or more substituents selected from cyano, hydroxy or halo.

8. A compound according to any one of the preceding claims, wherein R_{1a} is a group of the formula:

$$–(CR_{1c}R_{1d})_p–NR_{1e}R_{1f}$$

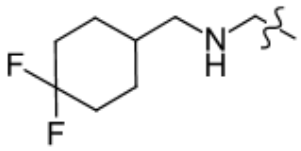
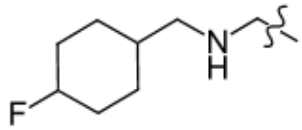
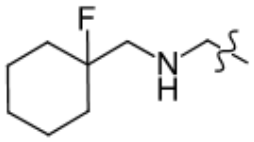
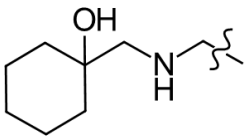
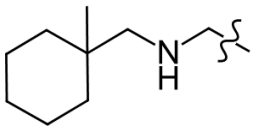
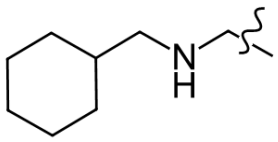
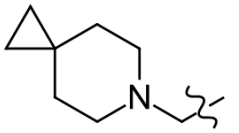
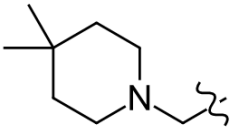
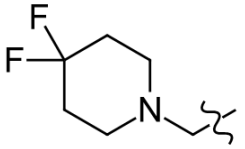
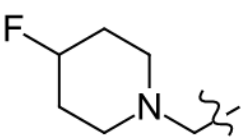
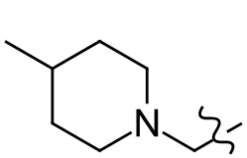
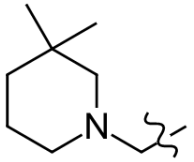
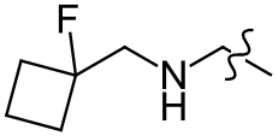
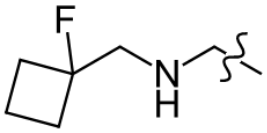
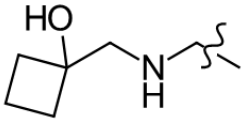
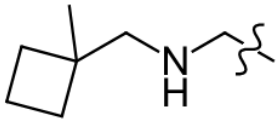
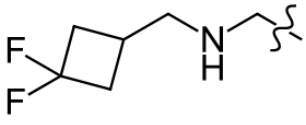
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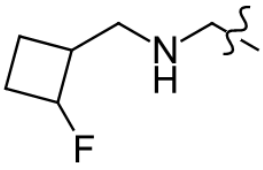
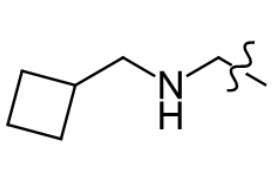
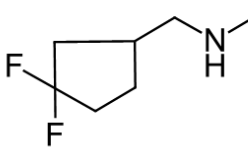
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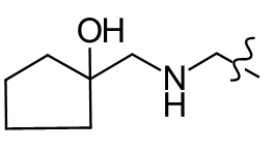
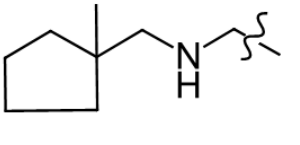
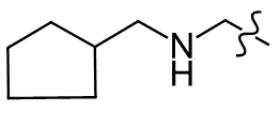
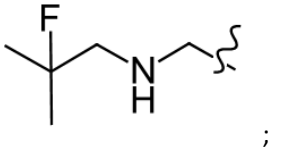
R_{1c} and R_{1d} are independently selected from hydrogen (including deuterium) or C_{1-2}alkyl; and

R_{1e} and R_{1f} are linked such that, together with the nitrogen atom to which they are attached, they form a mono- or bicyclic-heterocyclic ring, which is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, C_{3-6}cycloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo or C_{1-2}haloalkoxy, and/or the mono- or bicyclic hetereocyclic ring formed by R_{1e} and R_{1f} is optionally spiro-fused to a C_{3-6}cycloalkyl or a heterocyclic ring, which in turn is optionally substituted by one or more substituents selected from C_{1-2}alkyl, C_{1-2}haloalkyl, cyano, hydroxy, C_{1-2}alkoxy, halo or C_{1-2}haloalkoxy.

9. A compound according to any of claims 1 to 4, wherein R_{1a} is selected from


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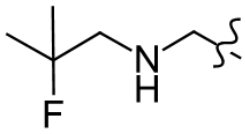
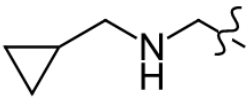
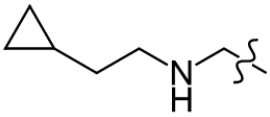
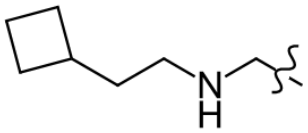
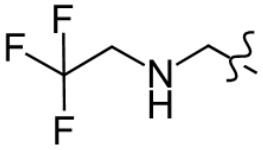
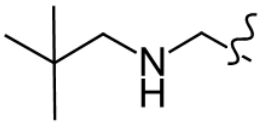
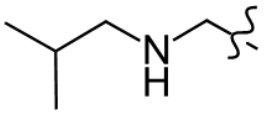
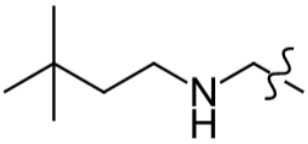
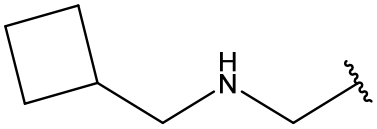
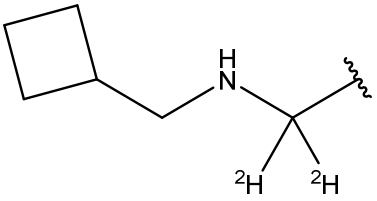
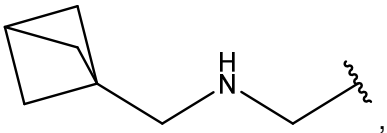
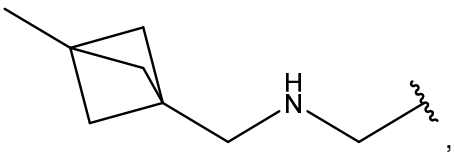
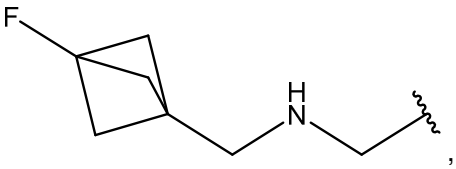
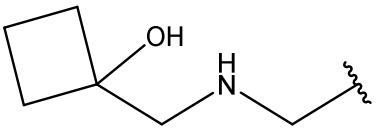
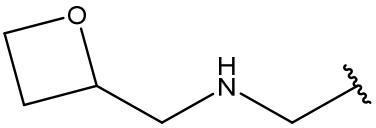
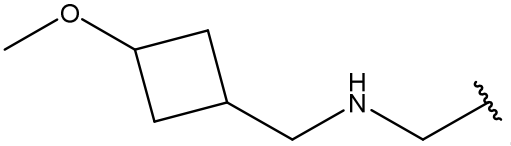
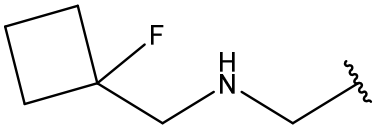
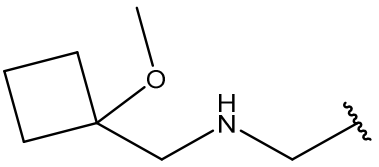
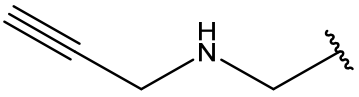
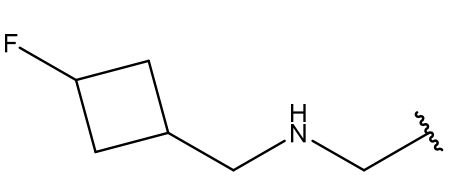
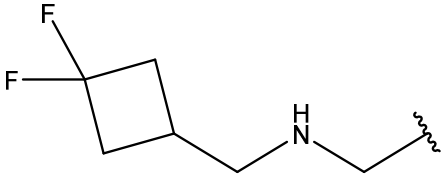
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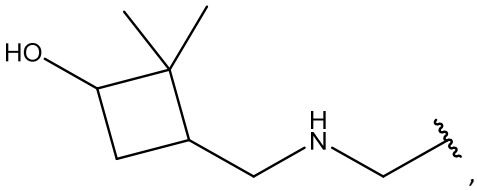
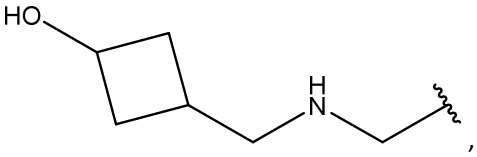
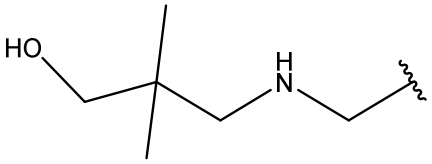
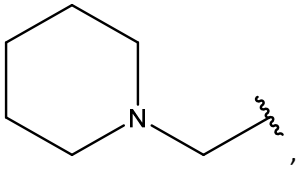
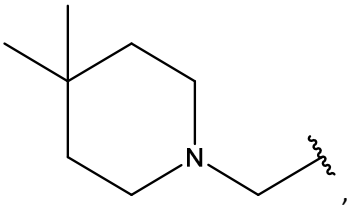
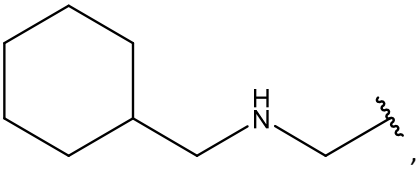
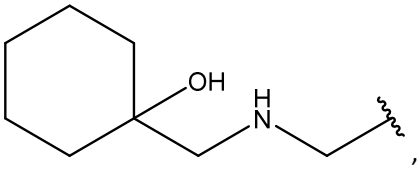
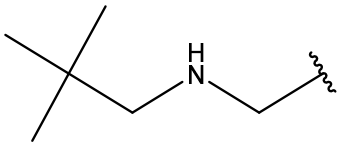
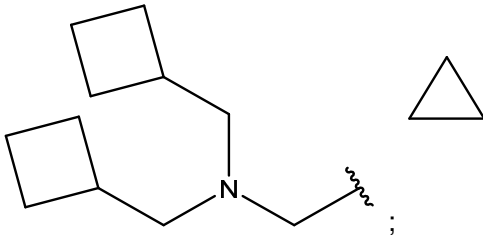
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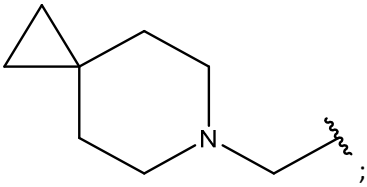
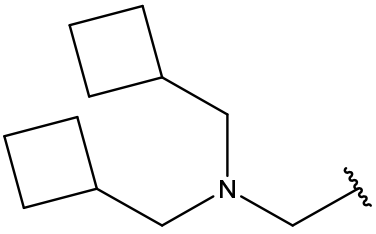
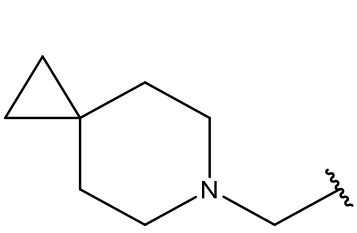
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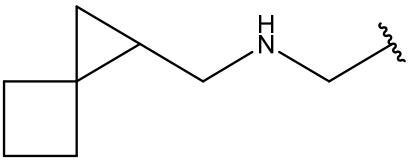
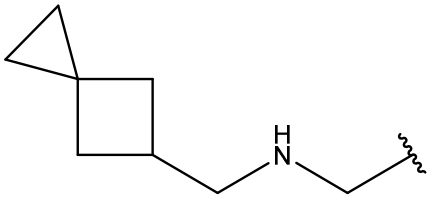
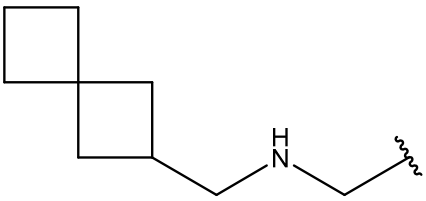
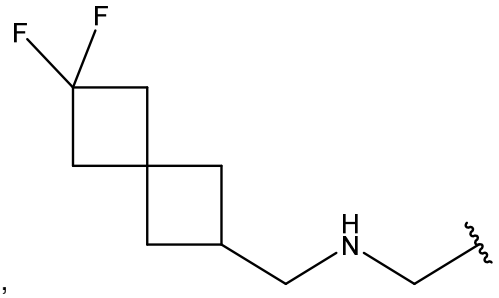
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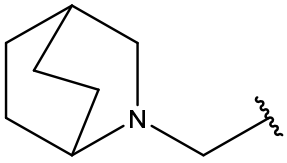
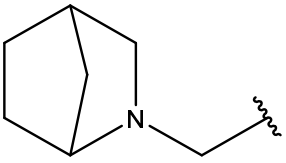
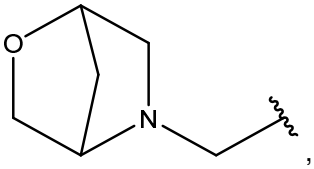
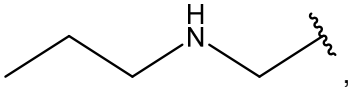
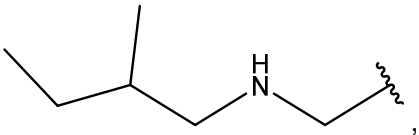
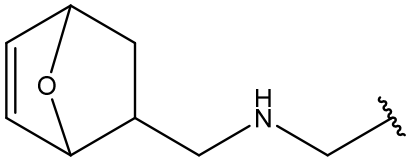
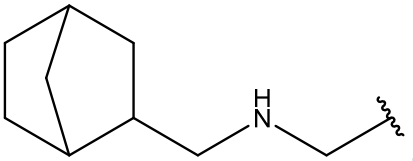
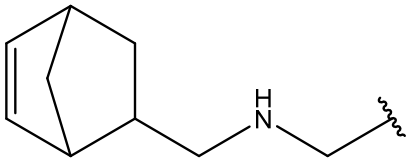
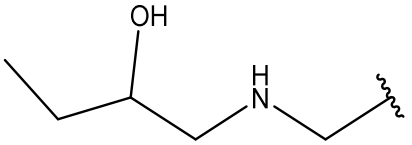
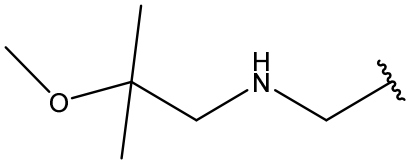
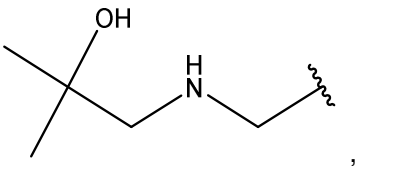
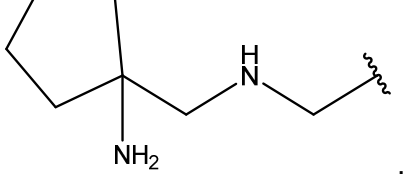
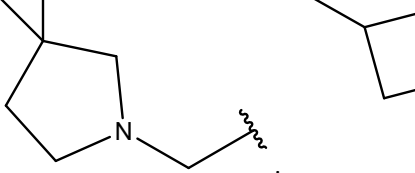
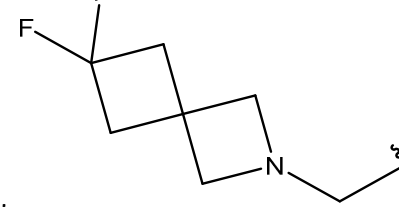
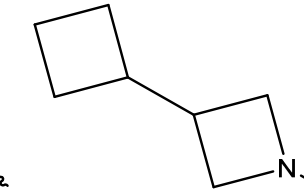
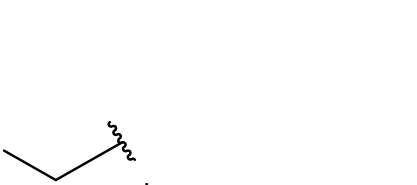
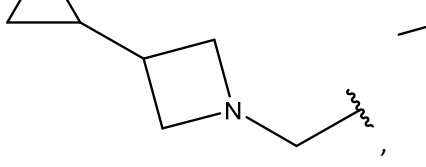
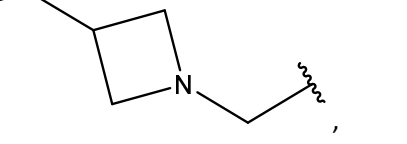

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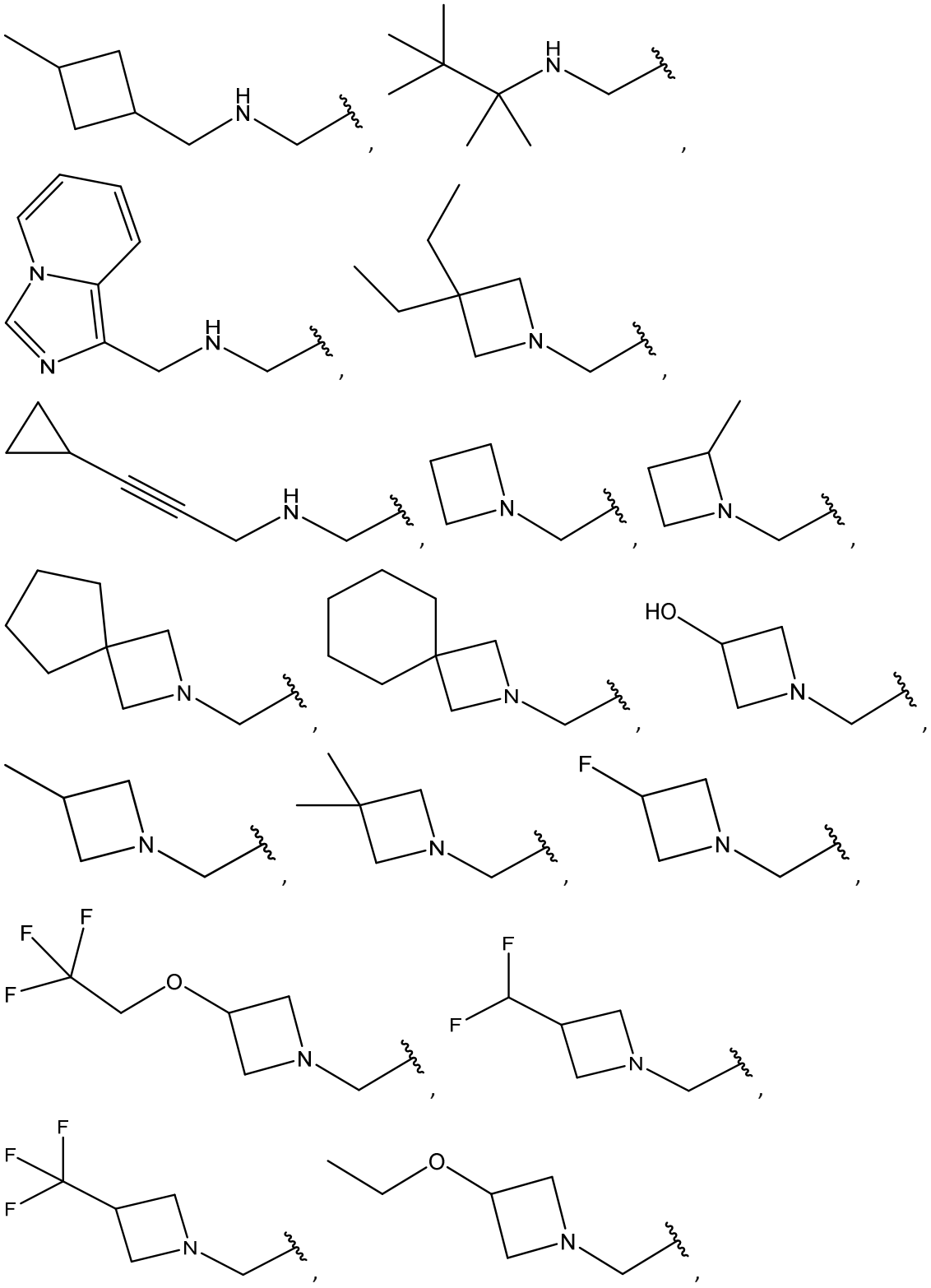










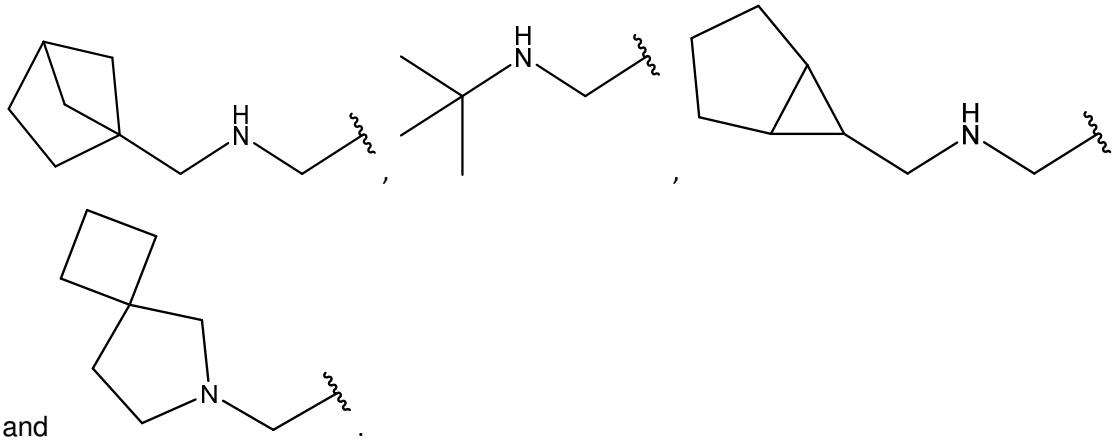




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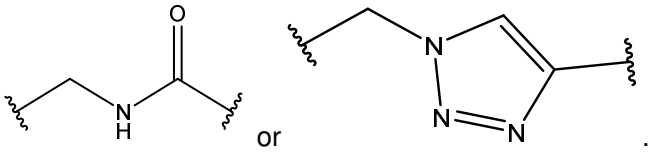


and .

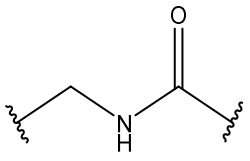
10. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{1b} is selected from hydrogen or halo.

11. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{2a}, R_{2b}, R_{2c} and R_{2d} are independently selected from hydrogen or halo.

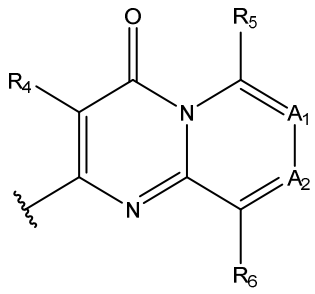
12. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein Y is selected from:



optionally wherein Y is selected from:



13. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein Z is:



;wherein:

R_4, R_5 and R_6 are independently selected from hydrogen and halo;

A_1 is selected from CR_{12} and N, wherein R_{12} is selected from hydrogen, halo, cyano and C_{1-4} alkyl; and

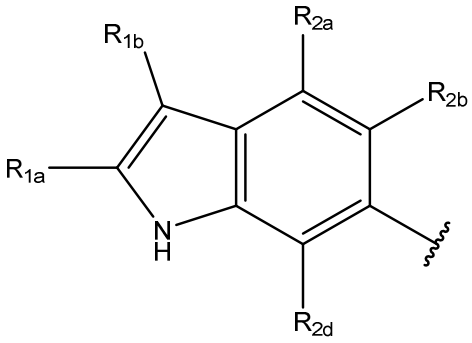
A_2 is selected from CR_{13} and N, wherein R_{13} is selected from hydrogen, halo, cyano, methoxy and methyl.

14. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_4, R_5 and R_6 are hydrogen.

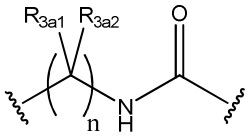
15. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{12} is selected from hydrogen and halo, optionally R_{12} is hydrogen.

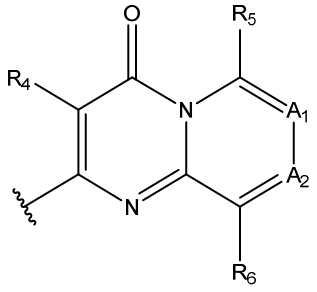
16. A compound according to any one of the preceding claims, or a pharmaceutically acceptable salt thereof, wherein R_{13} is selected from hydrogen, methoxy and methyl, optionally R_{13} is hydrogen.

17. A compound according to claim 1, or a pharmaceutically acceptable salt thereof, wherein:

X is 

;

Y is  ; and

Z is 

(i) wherein R_{1a}, $R_{1b,}$ R_{2a}, R_{2b} and R_{2d} are as defined in any one of the preceding claims;

(ii) n, R_{3a1} and R_{3a2} are as defined defined in any one of the preceding claims; and

(iii) A_1, A_2, R_4, R_5 and R_6 are as defined defined in any one of the preceding claims.

18. A compound, or a pharmaceutically acceptable salt thereof, selected from any one of the following:

N-({2-[(4,4-dimethylpiperidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(3,3-difluorocyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-hydroxycyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-fluorocyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[(1-methylcyclopropyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(2-azabicyclo[2.1.1]hexan-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(3-azabicyclo[3.1.1]heptanean-3-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[[2-(hydroxymethyl)pyrrolidin-1-yl]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-(morpholinomethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide

N-[[2-[(1-adamantylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[[2-(1-piperidylmethyl)-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(4-fluoro-1-piperidyl)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[[2-[[[rac-(1S,2S,4S)-7-oxabicyclo[2.2.1]heptane-5-en-2-yl]methylamino]methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[[(1-hydroxycyclopentyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[[2-[[[rac-(1S,2R,4S)-7-oxabicyclo[2.2.1]heptane-5-en-2-yl]methylamino]methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(1-bicyclo[1.1.1]pentanylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclobutylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[({bicyclo[2.2.1]heptanean-2-yl}amino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclopropylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-(2-azabicyclo[2.2.2]octan-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[[(2,2-difluorocyclopropyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclohexylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[[(1-hydroxycyclohexyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclopentylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclopentylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[[(1-methoxycyclobutyl)methylamino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(isobutylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclohexylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclopropylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[[2-[(prop-2-ynylamino)methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(oxetan-2-ylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(2,2-dimethylpropylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(1-bicyclo[1.1.1]pentanylmethylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({[(1S,2S)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({[(1R,2R)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({[(1S,2R)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({[(1R,2S)-2-hydroxycyclopentyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclopropylmethylamino)methyl]-5-fluoro-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclobutylmethylamino)methyl]-5-fluoro-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[[2-[(2,2,2-trifluoroethylamino)methyl]-1H-indol-6-yl]methyl]pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[N-(cyclobutylmethyl)acetamido]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-{[2-(piperidin-2-yl)-1H-indol-6-yl]methyl}-4H-pyrido[1,2-a]pyrimidine-2-carboxamide
N-[(2-{[(cyclobutylmethyl)amino]methyl}-3-fluoro-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(cyclobutylmethyl)amino]methyl}-1-methyl-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(Cyclobutylmethylamino)-dideuterio-methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(cyclobutylmethylamino)methyl]-1H-indol-6-yl]methyl]-1H-indazole-4-carboxamide

N-[[2-[(cyclobutylmethylamino)methyl]-1H-pyrrolo[3,2-b]pyridin-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-(1H-indol-6-ylmethyl)-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-(1H-indol-2-ylmethyl)-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-(indolizin-2-ylmethyl)-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(6-{[4-(1H-indazol-4-yl)-1H-1,2,3-triazol-1-yl]methyl}-1H-indol-2-yl)methyl]cyclopropanamine;
(1R,2S)-2-[[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methylamino]cyclopentanol;
N-[[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methyl]cyclopentanamine;
N-(cyclopropylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methanamine;
1-[[[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methylamino]methyl]cyclobutanol;
N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methanamine;
N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-pyrrolo[3,2-b]pyridin-2-yl]methanamine;
N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-pyrrolo[3,2-c]pyridin-2-yl]methanamine;
N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)triazol-1-yl]methyl]-1H-pyrrolo[3,2-c]pyridin-2-yl]methanamine;
2-[1-[[2-[(cyclobutylmethylamino)methyl]-1H-indol-6-yl]methyl]triazol-4-yl]pyrido[1,2-a]pyrimidin-4-one;
N-(cyclobutylmethyl)-1-[6-[[4-(6-methoxyimidazo[1,5-a]pyridin-8-yl)triazol-1-yl]methyl]-1H-indol-2-yl]methanamine;
N-(cyclobutylmethyl)-1-[6-[[4-(1H-indazol-4-yl)imidazol-1-yl]methyl]-1H-indol-2-yl]methanamine;
N-(cyclobutylmethyl)-1-[6-[[3-(1H-indazol-4-yl)-1,2,4-oxadiazol-5-yl]methyl]-1H-indol-2-yl]methanamine;
N-[[2-(2-azaspiro[3.3]heptanean-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[(benzylamino)methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-(3-azabicyclo[3.1.0]hexan-3-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[[2-[[cyclobutylmethyl(methyl)amino]methyl]-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-[[2-[(cyclobutylmethylamino)methyl]-1H-pyrrolo[2,3-b]pyridin-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-1,3-benzodiazol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(but-2-yn-1-yl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(3-cyclopropylprop-2-yn-1-yl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[({bicyclo[3.1.0]hexan-6-yl}amino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({bicyclo[2.1.1]hexan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-methylbicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-methylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-fluoroazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(azetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({2-azaspiro[3.4]octan-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-hydroxyazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3,3-dimethylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[(2-{[3-(2,2,2-trifluoroethoxy)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[3-(difluoromethyl)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-methoxyazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[3-(tert-butoxy)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[(2-{[3-(trifluoromethyl)azetidin-1-yl]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-({2-[(3-ethoxyazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({2-azaspiro[3.5]nonan-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(2-methylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3,3-dimethylpyrrolidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({6-fluoro-2-azaspiro[3.3]heptanean-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({6,6-difluoro-2-azaspiro[3.3]heptanean-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-cyclobutylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-cyclopropylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3-tert-butylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(1-tert-butylcyclopropyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({[(3-methylcyclobutyl)methyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[(2-{[(2,3,3-trimethylbutan-2-yl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({imidazo[1,2-a]pyridin-2-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(3,3-diethylazetidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[(2-{[(pent-3-yn-1-yl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({6-azaspiro[3.4]octan-6-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(2,2-dimethylpyrrolidin-1-yl)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({octahydrocyclopenta[c]pyrrol-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;

N-{[2-({5-azaspiro[2.4]heptanean-5-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-methoxybicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[(2-{[({spiro[2.2]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-({2-[({spiro[2.3]hexan-1-yl}amino)methyl]-1H-indol-6-yl}methyl)-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-cyanobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({1-oxa-6-azaspiro[3.4]octan-6-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({2-azaspiro[4.4]nonan-2-yl}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(1-methylcyclopentyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-(hydroxymethyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(1-cyclobutylcyclopropyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-{[2-({[(1-methylcyclobutyl)methyl]amino}methyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-oxo-N-[(2-{[({spiro[2.3]hexan-5-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[({[3-(fluoromethyl)bicyclo[1.1.1]pentan-1-yl]methyl}amino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(1-{3-fluorobicyclo[1.1.1]pentan-1-yl}ethyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-({2-[(tert-butylamino)methyl]-1H-indol-6-yl}methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
4-(1-{[2-({2-azaspiro[3.3]heptanean-2-yl}methyl)-1H-indol-6-yl]methyl}-1H-1,2,3-triazol-4-yl)-1H-indazole;
N-{[2-(2-{2-azaspiro[3.3]heptanean-2-yl}ethyl)-1H-indol-6-yl]methyl}-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)({6-[(4-{imidazo[1,5-a]pyridin-8-yl}-1H-1,2,3-triazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;

N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-indol-6-yl)methyl]-5-oxo-5H-[1,3]thiazolo[3,2-a]pyrimidine-7-carboxamide;
N-[(2-{[({bicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-b]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-b]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-pyrrolo[3,2-b]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-methylbicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({bicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[({3-fluorobicyclo[1.1.1]pentan-1-yl}methyl)amino]methyl}-1H-pyrrolo[3,2-c]485yridine-6-yl)methyl]-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-4-oxo-4H,6H,7H,8H,9H-pyrido[1,2-a]pyrimidine-2-carboxamide;
(cyclobutylmethyl)({6-[(4-{1H-pyrrolo[2,3-b]pyridin-5-yl}-1H-imidazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;
(cyclobutylmethyl)({6-[(4-{imidazo[1,5-a]pyridin-8-yl}-1H-1,2,3-triazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;
N-[(2-{[(2,2-dimethylpropyl)amino]methyl}-1H-indol-6-yl)methyl]-1H-pyrrolo[2,3-b]pyridine-5-carboxamide;
N-[(2-{[(cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-1H-pyrrolo[2,3-b]pyridine-5-carboxamide;
(cyclobutylmethyl)({6-[(4-{1H-pyrrolo[2,3-b]pyridin-5-yl}-1H-1,2,3-triazol-1-yl)methyl]-1H-indol-2-yl}methyl)amine;
N-[[2-(2-azabicyclo[2.2.1]heptanean-2-ylmethyl)-1H-indol-6-yl]methyl]-4-oxo-pyrido[1,2-a]pyrimidine-2-carboxamide;
N-[(3-fluoro-1-bicyclo[1.1.1]pentanyl)methyl]-1-[6-[(4-imidazo[1,5-a]pyridin-8-yltriazol-1-yl)methyl]-1H-pyrrolo[3,2-c]pyridin-2-yl]methanamine;
(cyclobutylmethyl)[(6-{[1-(1H-indazol-4-yl)-1H-1,2,3-triazol-4-yl]methyl}-1H-indol-2-yl)methyl]amine;
[(3,3-difluorocyclobutyl)methyl][(6-{[1-(1H-indazol-4-yl)-1H-1,2,3-triazol-4-yl]methyl}-1H-indol-2-yl)methyl]amine;

(cyclobutylmethyl)[(6-{[1-(isoquinolin-4-yl)-1H-1,2,3-triazol-4-yl]methyl}-1H-indol-2-yl)methyl]amine;
(cyclobutylmethyl)({6-[(1-{imidazo[1,5-a]pyridin-8-yl}-1H-1,2,3-triazol-4-yl)methyl]-1H-indol-2-yl}methyl)amine;
3-[1-({2-[({(Bicyclo[1.1.1]pent-1-yl)methyl}amino)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-5-methoxy-2-pyridinecarbonitrile;
3-[1-({2-[({(3-Fluorobicyclo[1.1.1]pent-1-yl)methyl}amino)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-5-methoxy-2-pyridinecarbonitrile;
5-Methoxy-3-[1-({2-[({(3-methylbicyclo[1.1.1]pent-1-yl)methyl}amino)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-2-pyridinecarbonitrile;
3-{1-[(2-{[(Cyclobutylmethyl)amino]methyl}-1H-indol-6-yl)methyl]-1H-1,2,3-triazol-4-yl}-5-methoxy-2-pyridinecarbonitrile;
3-{1-[(2-{(6-Aza-6-spiro[3.4]octyl)methyl}-1H-indol-6-yl)methyl]-1H-1,2,3-triazol-4-yl}-5-methoxy-2-pyridinecarbonitrile;
3-[1-({2-[(4,4-Dimethyl-1-piperidyl)methyl]-1H-indol-6-yl}methyl)-1H-1,2,3-triazol-4-yl]-5-methoxy-2-pyridinecarbonitrile;
N-((2-((6-azaspiro[3.4]octan-6-yl)methyl)-1H-pyrrolo[3,2-c]pyridin-6-yl)methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide;
3-(1-((2-(((cyclobutylmethyl)amino)methyl)-1H-indol-6-yl)methyl)-1H-1,2,3-triazol-4-yl)-5-fluoropicolinonitrile;
1-cyclobutyl-N-((6-((4-(5-methoxypyridin-3-yl)-1H-1,2,3-triazol-1-yl)methyl)-1H-indol-2-yl)methyl)methanamine;
5-chloro-3-(1-((2-(((cyclobutylmethyl)amino)methyl)-1H-indol-6-yl)methyl)-1H-1,2,3-triazol-4-yl)picolinonitrile; and
2-((6-azaspiro[3.4]octan-6-yl)methyl)-6-((4-(imidazo[1,5-a]pyridin-8-yl)-1H-1,2,3-triazol-1-yl)methyl)-1H-pyrrolo[3,2-c]pyridine.

19. A pharmaceutical composition comprising a compound according to any one of claims 1 to 18, or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable excipients.

20. A compound according to any one of claims 1 to 18, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 19, for use in:

(a) therapy;

(b) the treatment of a proliferative condition;

(c) the treatment of cancer;

(d) the treatment of leukaemia;

(e) the treatment of an autoimmune disease;

(f) the treatment of a neurological disease;

(g) the treatment of an inflammatory disease;

(h) the treatment of an infectious disease; or

(i) the treatment of a disease related to the re-activation of the silenced X-chromosome.

21. Use of a compound according to any one of claims 1 to 18, or a pharmaceutically acceptable salt thereof, or a pharmaceutical composition according to claim 19, in the manufacture of a medicament for

(a) the treatment of a proliferative condition;

(b) the treatment of cancer;

(c) the treatment of leukaemia;

(d) the treatment of an autoimmune disease;

(e) the treatment of a neurological disease;

(f) the treatment of an inflammatory disease;

(g) the treatment of an infectious disease; or

(h) the treatment of a disease related to the re-activation of the silenced X-chromosome.