inhibitors may be particularly useful in disorders driven by overexpression of USP7, and/or in disorders driven by genetic (e.g. mutation, copy number variation) or epigenetic contexts.

In addition to cancer, USP7 has been shown to deubiquitinate and suppress the transcriptional activity of FOXO1 leading to suppression of gluconeogenesis in hepatocyte cell culture and animal studies (Hall *et al.*, Mol. Endrocrinol. (2014), 28, 912-924). The involvement of USP7 in glucose metabolism may provide a strategy for clinical intervention in diabetes as well as in the treatment of other metabolic disorders including obesity. Furthermore, the connections and interactions of USP7 with viral proteins including for instance the EBNA1 protein of Epstein-Bar or the ICPO/VMW110 protein of herpes simplex type-1 viruses (Holowaty *et al.*, J. Biol. Chem. (2003), 278, 29987-29994; Everett *et al.* J. Virol. (1999), 73, 417-426), strongly suggest that USP7 inhibitors may also be beneficial in the treatment of viral infections. Finally, the involvement of USP7 in regulatory T cell (Treg) function demonstrated *in vitro* and *in vivo* through modulation of the transcription factor FOXP3 stability (van Loosdregt *et al.*, Immunity (2013), 39, 259-271), may open new therapeutic avenues for disorders characterised by inappropriate immune responses.

The established and growing connections between USP7 and numerous proteins involved in human disease indicate that small molecule inhibitors of USP7 may have broad therapeutic applications beneficial to human health. Small molecule USP7 inhibitors have been reported in the following patent applications: US 2008/0103149 A1, WO 2010/114881 A1, WO 2010/081783 A1, WO 2011/086178 A1, WO 2013/030218 A1, EP 2565186 A1, EP 1749822 A1, WO 2016/109515 A1, WO 2016/109480 A1, WO 2016/126929 A1, WO 2016/126926 A1, WO 2016/126935 A1, WO 2016/150800 A1, WO2017/158381, and WO2017/158388.

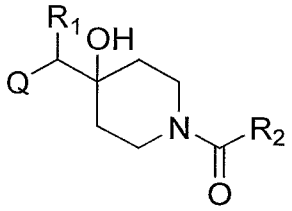
SUMMARY

USP7 has been associated with a number of diseases and conditions including (but not limited to) cancer and neoplastic conditions, diabetes, and viral infections. For example, prostate cancer, haematological malignancies (e.g. mantle cell lymphoma, multiple myeloma), neuroblastomas, and glioblastomas have been associated with USP7.

The compounds described herein are able to selectively inhibit USP7 activity. The compounds provided herein may therefore be suitable for the treatment and prevention of cancer and neoplastic conditions such as prostate cancer, haematological malignancies

(e.g. mantle cell lymphoma, multiple myeloma), neuroblastomas, and glioblastomas. The compounds may be used as monotherapy or as combination therapy with radiation and/or additional therapeutic agents.

In one aspect, the present disclosure refers to a compound of formula (I):



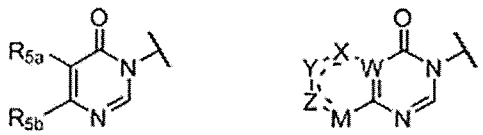
(I)

including a pharmaceutically acceptable salt, tautomer, stereoisomer or *N*-oxide derivative thereof, wherein:

R_1 is H, OH or an optionally substituted alkyl group;

R_2 is an optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 alkylcycloalkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl, optionally substituted C4-C8 aryloxy, optionally substituted C7-C10 arylalkyl or optionally substituted C5-C10 heteroarylalkyl group; and

Q is selected from:



wherein:

W is N or C

X is S, O, N, or CH

Y is CR_{6a}, CR_{9a}, N, or NR_{6a},

Z is CR_{6b}, N, NR_{6b}, NR_{9b}, or O

M is absent or CR_{8a}

wherein if X is S, Z is N and M is absent; and wherein if M is CR_{8a} Y is not N;

R_{5a} is H, halo, optionally substituted C1-C6 alkyl, or optionally substituted amino;

R_{5b} is H, halo, optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkynyl, benzyl, optionally monosubstituted C3-C6 heteroaryl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C1-C6 alkoxy, NR'R'', or R^aNR'R'',

wherein R^a is C1-C6 alkyl or C2-C6 alkenyl; and

wherein R' and R'' are each independently selected from H, oxo-substituted C1-C6 alkyl, hydroxy-substituted C1-C6 alkyl, optionally substituted C1-C6 alkoxy, optionally substituted C3-C6 cycloalkyl, optionally substituted C1-C7 alkylamine, optionally substituted C2-C7 alkenylamine, optionally substituted C3-C10 heterocycloalkyl, optionally substituted C4-C10 aryl, optionally substituted C3-C10 heteroaryl, optionally substituted C5-C10 alkylaryl, optionally substituted C4-C10 alkylheterocycloalkyl, and C4-C6 alkylheteroaryl, or wherein R' and R'' together form an optionally substituted C3-C8 heterocycloalkyl including the N to which they are attached;

R_{6a} is H, optionally substituted C1-C6 alkyl, optionally substituted amino, optionally substituted C4-C6 aryl, optionally substituted C1-C6 sulfide, optionally substituted C1-C6 sulfonyl, or optionally substituted amino;

R_{6b} is H, cyano, halo, optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 cycloalkenyl, optionally substituted C2-C6 ynol, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl, optionally substituted amino;

R_{7a} is H;

R_{7b} is H or optionally substituted C4-C6 aryl

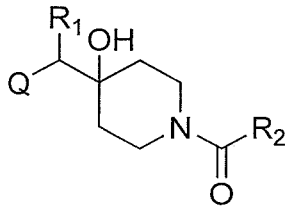
or wherein R_{7a} and R_{7b} together form an optionally substituted C1-C6 aryl group together with the carbons to which they are attached;

R_{8a} is H or is optionally substituted C4-C6 aryl;

R_{9a} is Cl, F, Br, I, or cyano;

R_{9b} is H, optionally substituted C1-C6 alkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C8 heteroaryl, C1-C6 alkoxy.

Also described is a compound of formula (I):



(I)

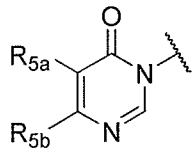
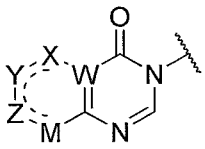
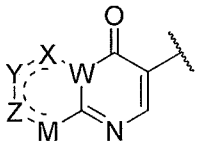
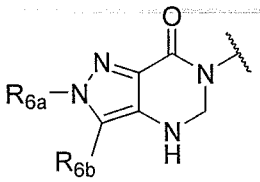
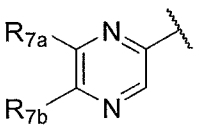
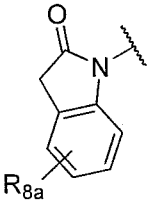
including a pharmaceutically acceptable salt, tautomer, stereoisomer or *N*-oxide derivative thereof, wherein:

R_1 is H, OH or an optionally substituted alkyl group;

R_2 is an optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 alkylcycloalkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl, optionally substituted C4-C8 aryloxy, optionally substituted C7-C10 arylalkyl or optionally substituted C5-C10 heteroarylalkyl group; and

Q is an optionally substituted nitrogen containing heterocyclyl group.

In certain examples, Q is selected from:

wherein:

W is N or C

X is S, O, N, or CH

Y is CR_{6a}, CR_{9a}, N, or NR_{6a},

Z is CR_{6b}, N, NR_{6b}, NR_{9b}, or O

M is absent or CR_{8a}

wherein if X is S, Z is N and M is absent; and wherein if M is CR_{8a} Y is not N;

R_{5a} is H, halo, optionally substituted C1-C6 alkyl, or optionally substituted amino;

R_{5b} is H, halo, optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkynyl, benzyl, optionally monosubstituted C3-C6 heteroaryl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C1-C6 alkoxy, NR'R'', or $R^aNR'R''$,

wherein R^a is C1-C6 alkyl or C2-C6 alkenyl; and

wherein R' and R" are each independently selected from H, oxo-substituted C1-C6 alkyl, hydroxy-substituted C1-C6 alkyl, optionally substituted C1-C6 alkoxy, optionally substituted C3-C6 cycloalkyl, optionally substituted C1-C7 alkylamine, optionally substituted C2-C7 alkenylamine, optionally substituted C3-C10 heterocycloalkyl, optionally substituted C4-C10 aryl, optionally substituted C3-C10 heteroaryl, optionally substituted C5-C10 alkylaryl, optionally substituted C4-C10 alkylheterocycloalkyl, and C4-C6 alkylheteroaryl, or wherein R' and R" together form an optionally substituted C3-C8 heterocycloalkyl including the N to which they are attached;

R_{6a} is H, optionally substituted C1-C6 alkyl, optionally substituted amino, optionally substituted C4-C6 aryl, optionally substituted C1-C6 sulfide, optionally substituted C1-C6 sulfonyl, or optionally substituted amino;

R_{6b} is H, cyano, halo, optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 cycloalkenyl, optionally substituted C2-C6 ynol, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl, optionally substituted amino;

R_{7a} is H;

R_{7b} is H or optionally substituted C4-C6 aryl

or wherein R_{7a} and R_{7b} together form an optionally substituted C1-C6 aryl group together with the carbons to which they are attached;

R_{8a} is H or is optionally substituted C4-C6 aryl;

R_{9a} is Cl, F, Br, I, or cyano;

R_{9b} is H, optionally substituted C1-C6 alkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C8 heteroaryl, C1-C6 alkoxy.

In a second example the present disclosure provides a pharmaceutical composition comprising a compound of formula (I) or pharmaceutically acceptable salt thereof according to the first aspect and at least one pharmaceutically acceptable excipient.

In a third example the present disclosure provides a compound of formula (I) according to the first aspect or a pharmaceutical composition comprising a compound of formula (I), according to the second aspect, for use in therapy.

In a fourth example, the present disclosure provides a method of treating or preventing cancer comprising administering to a subject a compound of formula (I) or pharmaceutical composition comprising a compound of formula (I).

In a fifth example, the present disclosure provides a use of a compound according to formula (I) in the manufacture of a medicament for treating or preventing cancer.

Other preferred examples of the compounds according to the disclosure appear throughout the specification and in particular in the examples. Particularly preferred are those named compounds having greater activity as tested. Compounds having higher activity are more preferred over those having lower activity.

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

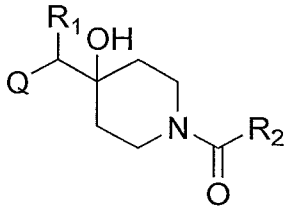
FIGURES

Figure 1: Representative target engagement assay with Example 29. HCT116 cells were treated with vehicle (DMSO) or compound (as indicated in μM) for 2 h and subsequently lysed on ice and homogenised. The Ub-VS probe was then added to the cell lysate and incubated on ice for 10 min. Samples were analysed by western blotting probing for USP7. + and – signs represent the presence or absence of Ub-VS.

Figure 2: (A) Effects of Example 29 on p53, p21 and MDM2 protein levels in HCT116. HCT116 cells were treated with vehicle (DMSO) or Example 29 (as indicated) for 24 h, lysed

CLAIMS

1. A compound of formula (I):



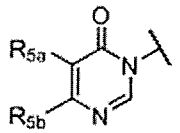
(I)

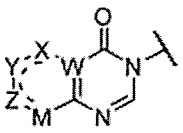
including a pharmaceutically acceptable salt, tautomer, stereoisomer or *N*-oxide derivative thereof, wherein:

R_1 is H, OH or an optionally substituted alkyl group;

R_2 is an optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 alkylcycloalkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl, optionally substituted C4-C8 aryloxy, optionally substituted C7-C10 arylalkyl or optionally substituted C5-C10 heteroarylalkyl group; and

Q is selected from:





wherein:

W is N or C

X is S, O, N, or CH

Y is CR_{6a}, CR_{9a}, N, or NR_{6a},

Z is CR_{6b}, N, NR_{6b}, NR_{9b}, or O

M is absent or CR_{8a}

wherein if X is S, Z is N and M is absent; and wherein if M is CR_{8a} Y is not N;

R_{5a} is H, halo, optionally substituted C1-C6 alkyl, or optionally substituted amino;

R_{5b} is H, halo, optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkynyl, benzyl, optionally monosubstituted C3-C6 heteroaryl, optionally substituted C3-C6 heterocycloalkyl, optionally substituted C1-C6 alkoxy, NR'R", or R^aNR'R",

wherein R^a is C1-C6 alkyl or C2-C6 alkenyl; and

wherein R' and R" are each independently selected from H, oxo-substituted C1-C6 alkyl, hydroxy-substituted C1-C6 alkyl, optionally substituted C1-C6 alkoxy, optionally substituted C3-C6 cycloalkyl, optionally substituted C1-C7 alkylamine, optionally substituted C2-C7 alkenylamine, optionally substituted C3-C10 heterocycloalkyl, optionally substituted C4-C10 aryl, optionally substituted C3-C10 heteroaryl, optionally substituted C5-C10 alkylaryl, optionally substituted C4-C10 alkylheterocycloalkyl, and C4-C6 alkylheteroaryl, or wherein R' and R" together form an optionally substituted C3-C8 heterocycloalkyl including the N to which they are attached;

R_{6a} is H, optionally substituted C1-C6 alkyl, optionally substituted amino, optionally substituted C4-C6 aryl, optionally substituted C1-C6 sulfide, optionally substituted C1-C6 sulfonyl, or optionally substituted amino;

R_{6b} is H, cyano, halo, optionally substituted C1-C6 alkyl, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 cycloalkenyl, optionally substituted C2-C6 ynol, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl, optionally substituted amino;

R_{7a} is H;

R_{7b} is H or optionally substituted C4-C6 aryl

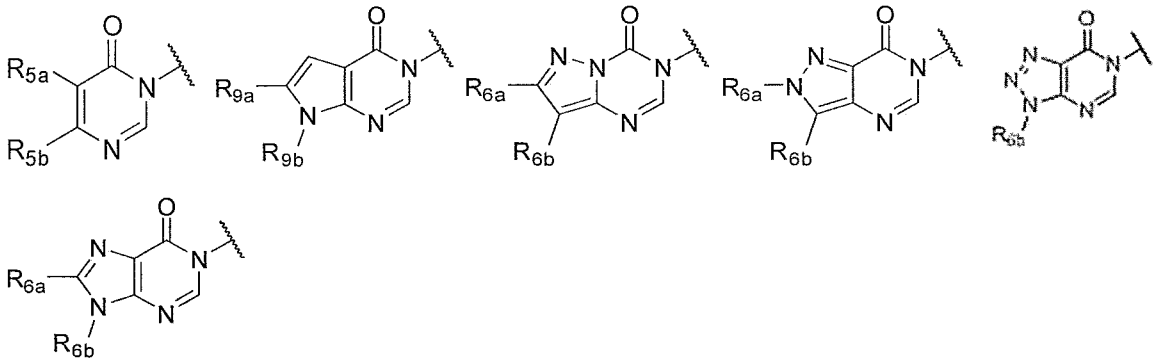
or wherein R_{7a} and R_{7b} together form an optionally substituted C1-C6 aryl group together with the carbons to which they are attached;

R_{8a} is H or is optionally substituted C4-C6 aryl;

R_{9a} is Cl, F, Br, I, or cyano;

R_{9b} is H, optionally substituted C1-C6 alkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C8 heteroaryl, C1-C6 alkoxy.

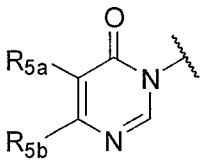
2. A compound according to claim 1 wherein Q is selected from:



and R_{5a}, R_{5b}, R_{6a}, R_{6b}, R_{9a}, and R_{9b} are as defined in claim 1.

3. A compound according to any preceding claim wherein for any of the functional groups for which one or more substituents are optional, the optional substituents are independently selected from OH, F, Cl, Br, I, CN, C1-C6 alkyl, CF_3, CHF_2, CH_2F, CH_2OH, COOH, $C(O)CH_3$, CH2NHC(O)OCH_2CH_3, C2-C6 alkenyl, C2-C6 alkynyl, C3-C6 cycloalkyl, C1-C6 alkoxy, amino, C1-C6 alkylamine, C5-C6 aryl, C3-C6 heteroaryl, benzyl, oxo and amide, or two adjacent substituents may together constitute a ring.

4. A compound according to any one of claims 1-3 wherein Q is:



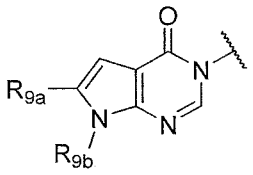
and:

R_{5a} is H,

R_{5b} is selected from optionally methyl- or ethylamine-substituted pyrazole, and NR'R", wherein R' and R" are each independently selected from H, methyl, cyclohexylamine, optionally methyl-, fluoro-, or fluorophenyl-substituted C2-C7 ethylamine, optionally substituted phenyl or wherein R' and R" together form an optionally substituted C3-C8 heterocycloalkyl including the N to which they are attached.

5. A compound of claim 4 wherein R' is H and R" is ethylpyrollidine optionally substituted with methyl, fluoro, or fluorophenyl.

6. A compound according to any one of claims 1-3 wherein Q is:



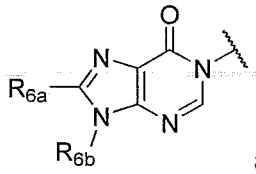
and

R_{9a} Cl, F, Br, I, or cyano;

R_{9b} is H, optionally substituted C1-C6 alkyl, optionally substituted C4-C6 aryl; wherein the optional substituents are selected from F, Cl, Br, methoxy, OH, CH2OH, C1-C6 alkylamine, cyclopropane, dioxolane, methylpyrazole optionally substituted with fluoro, and morpholine.

7. A compound according to claim 6, wherein R_{9a} is Cl, Br, I, or cyano and R_{9b} is phenyl optionally substituted with F, Cl, Br, methoxy, OH, C1-C6 alkylamine, cyclopropane, dioxolane, methylpyrazole.

8. A compound according to any one of claims 1-3 wherein Q is:



and

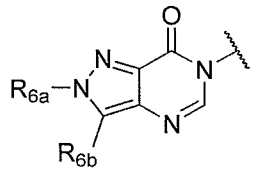
R_{6a} is H, or C1-C6 alkyl;

R_{6b} is H, or optionally substituted C4-C6 aryl;

wherein the optional substituent is selected from C1-C6 alkylamine.

9. A compound according to claim 8 wherein R_{6a} is H, or methyl and R_{6b} is H, or phenyl optionally substituted with CH2NH2 or CH(CH3)NH2.

10. A compound according to any one of claims 1-3 wherein Q is:



and

R_{6a} is H or C1-C6 alkyl;

R_{6b} is H, halo, optionally substituted C2-C6 alkenyl, optionally substituted C2-C6 alkynyl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 aryl, optionally substituted C3-C6 heteroaryl;

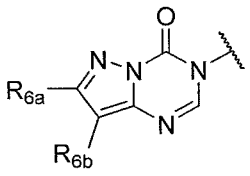
wherein the optional substituents are independently selected from F, CN, OH, CH2OH, amide, NH2, C1-C6 alkylamine, C3-C6 cycloalkylamine, CF3, COOH, methylmorpholine, CH(CF3)NH2, CH(CHF2)NH2, CH2NHC(O)OCH2CH3.

11. A compound according to claim 10, wherein R_{6a} is H, methyl or ethyl; R_{6b} is H, Br, optionally substituted propenyl, ethynyl, optionally substituted propynyl, optionally substituted pentynyl, optionally substituted cyclohexane, optionally substituted phenyl, pyrazole, pyridine;

wherein the optional substituents are independently selected from F, CN, OH, CH2OH, amide, NH2, C1-C6 alkylamine, C3-C6 cycloalkylamine, CF3, CH(CF3)NH2, CH(CHF2)NH2.

12. A compound according to claim 10 or 11, wherein R_{6a} is methyl and R_{6b} is phenyl optionally substituted with one or more of F, CN, OH, CH2OH, NH2, CH2NH2, CH2CH2NH2, CH(CH3)NH2, amide, cyclopropylamine, and cyclobutylamine.

13. A compound according to any one of claims 1-3, wherein Q is:



and

R_{6a} is H or C1-C6 alkyl;

R_{6b} is C4-C6 aryl, optionally phenyl.

14. A compound according to any one of claims 1-13 wherein R_2 is optionally substituted C3-C5 heteroaryl, optionally substituted C3-C6 cycloalkyl, optionally substituted C4-C6 alkylcycloalkyl, optionally substituted C5-C10 arylalkyl or optionally substituted C5-C10 heteroarylalkyl group, wherein each optional substituent is independently selected from OH, F, methyl, CF_3, CHF_2, CH_2F, CH_2OH, C1-C4 alkoxy, and C3-C4 cycloalkyl.

15. A compound according to claim 14, wherein R_2 is optionally substituted ethylphenyl, wherein the ethyl group is optionally substituted with methyl, methoxymethyl, CF_3, CHF_2, or CH_2F and the phenyl group is optionally substituted with F.

16. A compound according to any preceding claim, wherein R_2 has the structure $CH2CR^bR^cR^d$, and no more than one of R^b, R^c and R^d is hydrogen.

17. A compound according to claim 16, wherein the R_2 is oxazole optionally substituted with cyclopropane, or pyrazole optionally substituted with methyl.

18. A compound of claim 1 being:

(*R*)-6-Chloro-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(pyridin-4-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(1*H*-pyrazol-5-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(phenylamino)pyrimidin-4(3*H*)-one

(*R*)-6-Amino-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-6-((2-(Dimethylamino)ethyl)amino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-6-((2-(Dimethylamino)ethyl)(methyl)amino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(4-methylpiperazin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-methoxypyrimidin-4(3*H*)-one

(*R*)-6-(2-(Dimethylamino)ethoxy)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

6-((*S*)-3-Aminopyrrolidin-1-yl)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-6-(3-Aminoazetidin-1-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-5-Amino-6-chloro-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-9-methyl-1*H*-purin-6(9*H*)-one

(*R*)-1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-9-methyl-8-phenyl-1*H*-purin-6(9*H*)-one

(*R*)-1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-9-phenyl-1*H*-purin-6(9*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-Bromo-6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-Ethynyl-6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(trifluoromethyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-(3-hydroxy-3-methylbut-1-yn-1-yl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(1*H*-pyrazol-5-yl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(pyridin-4-yl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzamide

(*R*)-3-(3-Aminophenyl)-6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(Aminomethyl)phenyl)-6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-(3-hydroxyprop-1-yn-1-yl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(prop-1-en-2-yl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-isopropyl-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-isopropyl-2-methyl-5,6-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(4*H*)-one

(*R*)-6-((1-(3,4-Dimethylpent-4-enoyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(4-methyl-3-(trifluoromethyl)pent-4-enoyl)piperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)-2-methyl-3-(trifluoromethyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(1-methyl-1*H*-pyrazol-4-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(1-isobutyl-1*H*-pyrazol-4-yl)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((1,2,3,4-tetrahydro-1,4-epiminonaphthalen-6-yl)amino)pyrimidin-4(3*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(phenylamino)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-Chloro-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-5-methylpyrimidin-4(3*H*)-one

(*R*)-5-Bromo-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-(4-(Aminomethyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((*S*)-3-Aminopiperidin-1-yl)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-6-(4-Aminopiperidin-1-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(2,8-diazaspiro[4.5]decan-8-yl)pyrimidin-4(3*H*)-one

6-((*S*)-3-(Dimethylamino)piperidin-1-yl)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R,E*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(3-(pyrrolidin-1-yl)prop-1-en-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-(piperidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

(*R,S*)-3-(4-(Aminomethyl)phenyl)-6-((4-hydroxy-1-(4-methoxy-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-(1-(2-(Dimethylamino)ethyl)-1*H*-pyrazol-4-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

6-((*E*)-3-((*R*)-3-Aminopyrrolidin-1-yl)prop-1-en-1-yl)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

6-((*E*)-3-((S)-3-Aminopyrrolidin-1-yl)prop-1-en-1-yl)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((*S*)-1-phenyl-3-(pyrrolidin-1-yl)propan-2-yl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((*R*)-2-(pyrrolidin-1-yl)propyl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((S)-2-(pyrrolidin-1-yl)propyl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((*R*)-1-(pyrrolidin-1-yl)propan-2-yl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((*S*)-1-(pyrrolidin-1-yl)propan-2-yl)amino)pyrimidin-4(3*H*)-one

6-((*S*)-3-(Dimethylamino)pyrrolidin-1-yl)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

rac-6-(((±-*trans*-1,2)-2-Aminocyclohexyl)amino)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

6-(((±-*cis*-1,2)-2-Aminocyclohexyl)amino)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((((*R*)-1-methylpyrrolidin-2-yl)methyl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((((*S*)-1-methylpyrrolidin-2-yl)methyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-9-(4-(Aminomethyl)phenyl)-1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-1*H*-purin-6(9*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-((*S*)-2-methylpyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-((*R*)-2-(methoxymethyl)pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-((*S*)-3-methylpyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-9-(4-(Aminomethyl)phenyl)-1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-8-methyl-1*H*-purin-6(9*H*)-one

6-((2-((*R*)-3-Fluoropyrrolidin-1-yl)ethyl)amino)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

6-((2-((*S*)-3-Fluoropyrrolidin-1-yl)ethyl)amino)-3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3H)-one

3-(4-((*R*)-1-Aminoethyl)phenyl)-6-((4-hydroxy-1-((*R*)-4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

3-(4-((*S*)-1-Aminoethyl)phenyl)-6-((4-hydroxy-1-((*R*)-4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-9-(4-(Aminomethyl)phenyl)-1-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-1*H*-purin-6(9*H*)-one

(*R*)-9-(4-(Aminomethyl)phenyl)-1-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-8-methyl-1*H*-purin-6(9*H*)-one

(*R*)-3-(4-((Dimethylamino)methyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(Aminomethyl)phenyl)-6-((1-(4,4-difluoro-3-phenylbutanoyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-isopropylpyrimidin-4(3*H*)-one

(*R*)-3-(4-(Aminomethyl)-3-fluorophenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(4-((methylamino)methyl)phenyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(Aminomethyl)phenyl)-6-((1-(3-(3,5-difluorophenyl)-4,4,4-trifluorobutanoyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(Aminomethyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-(4-fluorophenyl)butanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((2-(4-Fluoroisoindolin-2-yl)ethyl)amino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-(4-(2-Aminoethyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(1-Aminocyclobutyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((1-(4,4-Difluoro-3-phenylbutanoyl)-4-hydroxypiperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

6-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)-2-(methylthio)thiazolo[4,5-*d*]pyrimidin-7(6*H*)-one

3-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)furo[3,2-*d*]pyrimidin-4(3*H*)-one

6-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)-2-(methylsulfonyl)thiazolo[4,5-*d*]pyrimidin-7(6*H*)-one

6-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)-2-(methylamino)thiazolo[4,5-*d*]pyrimidin-7(6*H*)-one

3-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)furo[2,3-*d*]pyrimidin-4(3*H*)-one

6-((4-Hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)-2-methyl-3-(trifluoromethyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-9-methyl-8-(trifluoromethyl)-1*H*-purin-6(9*H*)-one

3-(2-Fluorophenyl)-6-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzonitrile

3-(2-Aminophenyl)-6-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-morpholinopyrimidin-4(3*H*)-one

(*R*)-1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-[4,5'-bipyrimidin]-6(1*H*)-one

(R)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-hydroxyethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-(3-hydroxyphenyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-4-(6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzamide

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-(4-(hydroxymethyl)phenyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(3-(morpholinomethyl)phenyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-methoxyethyl)amino)pyrimidin-4(3*H*)-one

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((*R*)-pyrrolidin-3-yl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-5-methyl-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

Benzyl 4-((3-(4-(aminomethyl)phenyl)-2-methyl-7-oxo-2,7-dihydro-6*H*-pyrazolo[4,3-*d*]pyrimidin-6-yl)methyl)-4-hydroxypiperidine-1-carboxylate

(*R*)-*N*-(1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-oxo-1,6-dihydropyrimidin-4-yl)-*N*-(2-(pyrrolidin-1-yl)ethyl)acetamide

3-((4-Hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-((*R*)-2-methylpyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(phenylethynyl)pyrimidin-4(3*H*)-one

(*R*)-6-Benzyl-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

3-(4-((*R*)-1-Amino-2,2,2-trifluoroethyl)phenyl)-6-((4-hydroxy-1-((*R*)-4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2H-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

3-(4-((*S*)-1-Amino-2,2,2-trifluoroethyl)phenyl)-6-((4-hydroxy-1-((*R*)-4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(Aminomethyl)phenyl)-2-ethyl-6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(phenyl(2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

3-(4-((*S*)-1-Amino-2,2-difluoroethyl)phenyl)-6-((4-hydroxy-1-((*R*)-4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(Aminomethyl)-3-(trifluoromethyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(4-(1-Aminocyclopropyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*S*)-3-(4-(Aminomethyl)phenyl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-(5-methylthiophen-2-yl)butanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

3-(4-(Aminomethyl)phenyl)-6-((1-(3,3-dicyclopropylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-1-((4-Hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-9-phenyl-1*H*-purin-6(9*H*)-one

(*R*)-1-((1-(4,4-Difluoro-3-phenylbutanoyl)-4-hydroxypiperidin-4-yl)methyl)-9-phenyl-1*H*-purin-6(9*H*)-one

(*R*)-6-((4-Hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(1-methyl-1,2,3,6-tetrahydropyridin-4-yl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((1-Acetyl-4-hydroxypiperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

3-((1-Acetyl-4-hydroxypiperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

3-((1-(3,3-Dicyclopropylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-(Cyclohex-1-en-1-yl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-(3-(Dimethylamino)prop-1-yn-1-yl)-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-Cyclohexyl-6-((4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-6-((4-Hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-3-(4-(morpholinomethyl)phenyl)-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

3-(4-(Aminomethyl)phenyl)-6-((1-(3-cyclobutylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-3-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-8-phenylpyrazolo[1,5-*a*][1,3,5]triazin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((*R*)-2-(hydroxymethyl)pyrrolidin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(3-(methoxymethyl)azetidin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-(isopropylamino)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-*N*-(2-((1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-oxo-1,6-dihydropyrimidin-4-yl)amino)ethyl)acetamide

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(4-hydroxypiperidin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-((4-(trifluoromethyl)pyrimidin-2-yl)amino)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-(phenylamino)ethyl)amino)pyrimidin-4(3*H*)-one

tert-butyl ((1-(1-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-oxo-1,6-dihydropyrimidin-4-yl)pyrrolidin-2-yl)methyl)carbamate

4-(1-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-oxo-1,6-dihydropyrimidin-4-yl)-*N*,*N*,2-trimethylmorpholine-2-carboxamide

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(3-morpholinopyrrolidin-1-yl)pyrimidin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(3-hydroxy-3-methylpyrrolidin-1-yl)pyrimidin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((tetrahydrofuran-3-yl)amino)pyrimidin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(2-oxa-7-azaspiro[4.4]nonan-7-yl)pyrimidin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(tetrahydro-2*H*-furo[2,3-*c*]pyrrol-5(3*H*)-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((1-methyl-1*H*-pyrazol-5-yl)methyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((3-methyloxetan-3-yl)amino)pyrimidin-4(3*H*)-one

(*R*)-6-(4-(1*H*-pyrazol-5-yl)piperidin-1-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-6-((4-chlorobenzyl)amino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(4-(pyridin-3-ylmethyl)piperazin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(4-(pyridin-2-ylmethyl)piperazin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-6-(4,4-difluoropiperidin-1-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-2-((1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-oxo-1,6-dihydropyrimidin-4-yl)amino)-*N*,*N*-dimethylacetamide

(*R*)-6-(((2,3-dihydrobenzo[*b*][1,4]dioxin-6-yl)methyl)amino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(((tetrahydro-2*H*-pyran-4-yl)methyl)amino)pyrimidin-4(3*H*)-one

(*R*)-*N*-(cyclopropylmethyl)-1-(1-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-oxo-1,6-dihydropyrimidin-4-yl)azetidine-3-carboxamide

(*R*)-6-(3-fluoroazetidin-1-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-hydroxyethyl)(methyl)amino)pyrimidin-4(3*H*)-one

(*R*)-6-(cyclopentylamino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(4-methyl-3-oxopiperazin-1-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(5-oxa-2-azaspiro[3.4]octan-2-yl)pyrimidin-4(3*H*)-one

(*R*)-6-((1,3-dimethyl-1*H*-pyrazol-4-yl)amino)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(8-methyl-5-oxa-2,8-diazaspiro[3.5]nonan-2-yl)pyrimidin-4(3*H*)-one

(*R*)-6-(6-acetyl-2,6-diazaspiro[3.3]heptan-2-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-6-(5,5-difluoro-2-azaspiro[3.3]heptan-2-yl)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(7-oxa-2-azaspiro[3.5]nonan-2-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(2-oxa-7-azaspiro[3.5]nonan-7-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(6-oxa-2-azaspiro[3.4]octan-2-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((2-hydroxyethyl)(pyridin-3-ylmethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(5-methyl-2,5-diazaspiro[3.4]octan-2-yl)pyrimidin-4(3*H*)-one

(*R*)-3-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-6-(2-oxa-6-azaspiro[3.4]octan-6-yl)pyrimidin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((1*R*,5*S*)-3-methyl-3,6-diazabicyclo[3.2.1]octan-6-yl)pyrimidin-4(3*H*)-one

3-((4-hydroxy-1-((*R*)-3-phenylbutanoyl)piperidin-4-yl)methyl)-6-((1*S*,5*R*)-3-methyl-3,6-diazabicyclo[3.2.1]octan-6-yl)pyrimidin-4(3*H*)-one

(*R*)-3-(4-(1-Aminocyclobutyl)phenyl)-6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

3-((1-(3-Cyclobutylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

3-((1-(2,2-Dicyclobutylacetyl)-4-hydroxypiperidin-4-yl)methyl)-6-((2-(pyrrolidin-1-yl)ethyl)amino)pyrimidin-4(3*H*)-one

(*R*)-6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-3-phenyl-3*H*-[1,2,3]triazolo[4,5-*d*]pyrimidin-7(6*H*)-one

6-((1-(3-Cyclobutylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-3-phenyl-3*H*-[1,2,3]triazolo[4,5-*d*]pyrimidin-7(6*H*)-one

6-((1-(3,3-Dicyclopropylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-3-phenyl-3*H*-[1,2,3]triazolo[4,5-*d*]pyrimidin-7(6*H*)-one

(*R*)-1-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-8-methyl-9-phenyl-1*H*-purin-6(9*H*)-one

(*R*)-1-((4-Hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl)methyl)-8-methyl-9-phenyl-1*H*-purin-6(9*H*)-one

1-((1-(3,3-Dicyclopropylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-8-methyl-9-phenyl-1*H*-purin-6(9*H*)-one

6-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((4-Hydroxy-1-(oxazole-5-carbonyl)piperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((1-(3,3-Dicyclopropylpropanoyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

(*R*)-Ethyl 4-(6-((4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzylcarbamate

1-((1-(2-Cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-8-methyl-9-phenyl-1*H*-purin-6(9*H*)-one

6-((1-(2-Cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-3-phenyl-2*H*-pyrazolo[4,3-*d*]pyrimidin-7(6*H*)-one

6-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3-phenyl-3*H*-[1,2,3]triazolo[4,5-*d*]pyrimidin-7(6*H*)-one

6-((1-(2-Cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-3-phenyl-3*H*-[1,2,3]triazolo[4,5-*d*]pyrimidin-7(6*H*)-one

7-Cyclopropyl-3-((4-hydroxy-1-(3-phenylpropanoyl)piperidin-4-yl)methyl)thieno[3,2-*d*]pyrimidin-4(3*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-phenyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

7-(Benzo[*d*][1,3]dioxol-5-yl)-6-chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(4-chlorophenyl)-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(4-fluorophenyl)-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-fluorophenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-fluoro-3-methoxyphenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(4-fluoro-3-methoxyphenyl)-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-(3-(1-methyl-1*H*-pyrazol-5-yl)phenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-methyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-(1-methyl-1*H*-pyrazol-5-yl)phenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-(1-methyl-1*H*-pyrazol-4-yl)phenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-(3-(1-methyl-1*H*-pyrazol-4-yl)phenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

7-(3-Bromophenyl)-6-chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

7-(3-Bromophenyl)-6-chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-phenyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methyl-1*H*-pyrazole-4-carbonyl)piperidin-4-yl)methyl)-7-phenyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-cyclopropylphenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(3-cyclopropylphenyl)-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(3-cyclopropylphenyl)-3-((4-hydroxy-1-(1-methyl-1*H*-pyrazole-4-carbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(4-cyclopropylphenyl)-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-cyclopropylphenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Bromo-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-phenyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Bromo-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-phenyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

3-((1-(2-Cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-6-iodo-7-phenyl-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-(3-(4-(trifluoromethyl)-1*H*-pyrazol-1-yl)phenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-7-(3-morpholinophenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(3-(4-fluoro-1*H*-pyrazol-1-yl)phenyl)-3-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(4-chlorophenyl)-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-7-(4-chlorophenyl)-3-((4-hydroxy-1-(1-methyl-1*H*-pyrazole-4-carbonyl)piperidin-4-yl)methyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-fluoro-3-(1-methyl-1*H*-pyrazol-5-yl)phenyl)-3*H*-pyrrolo[2,3-*d*]pyrimidin-4(7*H*)-one

3-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-4-oxo-7-phenyl-4,7-dihydro-3*H*-pyrrolo[2,3-*d*]pyrimidine-6-carbonitrile,

7-(Benzo[*d*][1,3]dioxol-5-yl-2,2-d_2)-6-chloro-3-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

7-(Benzo[*d*][1,3]dioxol-5-yl-2,2-d_2)-6-chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

3-(4-(Aminomethyl)phenyl)-6-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-2-methyl-2,6-dihydro-7*H*-pyrazolo[4,3-*d*]pyrimidin-7-one

3-(4-(Aminomethyl)phenyl)-6-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-2-methyl-2,6-dihydro-7*H*-pyrazolo[4,3-*d*]pyrimidin-7-one

6-Chloro-7-(3,4-dimethoxyphenyl)-3-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

6-Chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3,4-dimethoxyphenyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

7-(4-(Aminomethyl)phenyl)-6-chloro-3-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

7-(4-(Aminomethyl)phenyl)-6-chloro-3-((1-(2-cyclopropyloxazole-5-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-3,7-dihydro-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

(*R*)-4-(6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzoic acid

(*R*)-3-(6-((4-Hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzoic acid

4-(6-((4-Hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-2-methyl-7-oxo-6,7-dihydro-2*H*-pyrazolo[4,3-*d*]pyrimidin-3-yl)benzoic acid

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

19. A pharmaceutical composition comprising a compound according to any one of claims 1-18 or a pharmaceutically acceptable salt thereof and at least one pharmaceutically acceptable excipient.

20. Use of a compound according to claims 1-19 in the manufacture of a medicament for treating or preventing cancer, optionally wherein the cancer is selected from a haematological malignancy, prostate cancer, a neuroblastoma, or a glioblastoma.