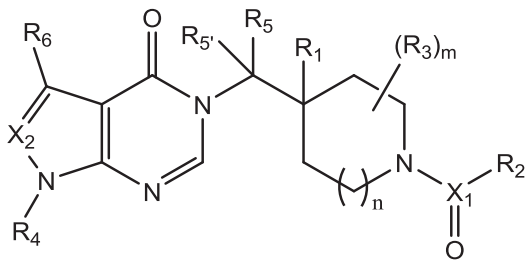
transcription factors involved in a variety of cell processes including metabolism, cell cycle regulation apoptosis, and response to oxidative stress, decreasing its nuclear localization and transcriptional activity. (van der Horst A., van der Horst O., de Vries-Smits A.M.M.., et al. "FOXO4 transcriptional activity is regulated by monoubiquitination and USP7/HAUSP," *Nat. Cell Biol.* 8(10):1064-73 (2006))

[0008] Cellular targets of USP7 also include the tumor suppressor p53 and its major E3 ligase, MDM2, stabilizing p53 via the degradation of MDM2. (Li M., Chen D., Shiloh A., et al. "Deubiquitination of p53 by HAUSP is an important pathway for p53 stabilization," *Nature* 416(6881):648-53 (2002); Li M., Brooks C.L., Kon N., Gu W. "A dynamic role of HAUSP in the p53-Mdm2 pathway," *Mol. Cell*. 13(6):879-86 (2004)) Structural studies have also shown that the EBNA1 protein encoded by the Epstein-Barr virus interacts at the same binding surface as USP7 on p53, preventing USP7 endogenous cellular activity while recruiting USP7 to viral promoters in order to activate latent viral gene expression. (Saridakis V., et al. "Structure of the p53 binding domain of HAUSP/USP7 bound to Epstein-Barr nuclear antigen 1 implications for EBV-mediated immortalization," *Mol. Cell*. 18(1):25-36 (2005); Sarkari F., Sanchez-Alcaraz T., Wang S., Holowaty M.N., Sheng Y., Frappier L. "EBNA1-mediated recruitment of a histone H2B deubiquitylating complex to the Epstein-Barr virus latent origin of DNA replication," *PLoS pathogens* 5(10) (2009); Sheng Y., et al. "Molecular recognition of p53 and MDM2 by USP7/HAUSP," *Nat. Struct. Mol. Biol.* 13(3):285-91 (2006)) Similarly, the gene product of TSPYL5, a gene frequently amplified in breast cancer and associated with poor clinical outcome, alters the ubiquitination status of p53 via its interaction with USP7. (Epping M.T., et al. "TSPYL5 suppresses p53 levels and function by physical interaction with USP7," *Nat. Cell Biol.* 13(1):102-8 (2011))

[0009] Inhibition of USP7 with small molecule inhibitors therefore has the potential to be a treatment for cancers and other disorders. For this reason, there remains a considerable need for novel and potent small molecule inhibitors of USP7.

Summary

[0009a] In one aspect, the present disclosure refers to a compound of Formula (I):



(I),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

X_1 is C, S, or S(O);

X_2 is CR_7 or N;

R_1 is H, D, -OH, -SH, $-NH_2$, $-NH(C_1\text{-}C_4)$ alkyl, $-N((C_1\text{-}C_4)\text{ alkyl})_2$, or F;

R_2 is $(C_1\text{-}C_8)$ alkyl, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, $-NR_{10}R_{11}$, or $-OR_{10}$, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_3 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, -CN, -OH, $-C(O)R_{17}$, $-C(O)OR_{17}$, $-OC(O)OR_{17}$, $-OC(O)NR_{17}R_{18}$, $-NR_{17}R_{18}$, $-NR_{17}C(O)R_{18}$, $-NR_{17}C(O)OR_{18}$, $-C(O)NR_{17}R_{18}$, $-NR_{17}C(O)NR_{17}R_{18}$, $-S(O)_qNR_{17}R_{18}$, $-S(O)_qR_{17}R_{18}$, $-NR_{17}S(O)_qR_{17}R_{18}$, or halogen, wherein the alkyl is optionally substituted with one or more substituents independently selected from -OH or $-NH_2$;

or two R_3 together when on adjacent carbons form a $(C_3\text{-}C_8)$ cycloalkyl optionally substituted with one or more R_{19}; or two R_3 together form a $(C_3\text{-}C_8)$ spirocycloalkyl optionally substituted with one or more R_{19}; or two R_3 together form a spiroheterocyclyl optionally substituted with one or more R_{19}; or two R_3 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_{19}; or two R_3 together when on adjacent carbons form an heteroaryl ring optionally substituted with one or more R_{19};

R_4 is $(C_1\text{-}C_6)$ alkyl, $-(C_0\text{-}C_3)$ alkylene-aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, CD_3, or heterocyclyl, wherein the aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

R_5 and $R_{5'}$ are independently H, D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl,

(C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, or halogen; or

R_5 and $R_{5'}$ together form a (C_3-C_6) cycloalkyl or heterocyclyl ring optionally substituted with one or more substituents independently selected from halogen, -CN, (C_1-C_6) alkyl, -OH, -CH_2OH, -(C_0-C_2)-alkylene-O(C_1-C_6) alkyl, or -(C_0-C_2)-alkylene-$NR_{17}R_{18}$;

R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, or -OH;

R_7 is H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, halogen, aryl, heteroaryl, -CN, or -$NR_{10}R_{11}$, wherein the aryl and heteroaryl is optionally substituted with one or more R_{10};

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)((($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O) $_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)((($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or –CN,

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl,

-(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -$S(O)_q$(C_1-C_3) alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, heterocyclyl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or –OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

each R_{17} and R_{18} is at each occurrence independently H or (C_1-C_6) alkyl;

R_{19} is independently at each occurrence H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, halogen, -CN, or -$NR_{17}R_{18}$;

m is 0, 1 or 2;

n is 0, 1, 2 or 3;

p is 0, 1, or 2; and

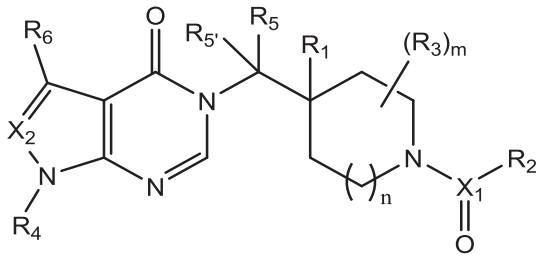
each q is 0, 1, or 2.

[0009b] In another aspect, the present disclosure refers to a compound selected from: 1-(4-(1-(difluoromethyl)-1H-pyrazol-4-yl)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one; 1-(4-(3,3-difluorocyclobutoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one; 1-(4-((3,3-difluoro-1-methylcyclobutyl)methoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one; 1-[4-(3-fluoro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one; or 1-[4-(5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]piperidine-4-carbonitrile.

[0009c] In another aspect, the present disclosure refers to a pharmaceutical composition comprising, a compound as described herein, and a pharmaceutically acceptable carrier.

[0009d] In another aspect, the present disclosure refers to the use of a compound as described herein in the manufacture of a medicament for treating colorectal cancer, bladder cancer, liposarcoma, or non-small cell lung cancer.

[0010] A first example of the disclosure relates to compounds of Formula (I):



(I),

and pharmaceutically acceptable salts, hydrates, solvates, prodrugs, stereoisomers, and tautomers thereof,

wherein:

X_1 is C, S, or S(O);

X_2 is CR_7 or N;

R_1 is H, D, -OH, -SH, $-NH_2$, $-NH(C_1\text{-}C_4)$ alkyl, $-N((C_1\text{-}C_4)\text{ alkyl})_2$, or F;

R_2 is $(C_1\text{-}C_8)$ alkyl, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, $-NR_{10}R_{11}$, or $-OR_{10}$, wherein alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_3 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, -CN, -OH, $-C(O)R_{17}$, $-C(O)OR_{17}$, $-OC(O)OR_{17}$, $-OC(O)NR_{17}R_{18}$, $-NR_{17}R_{18}$, $-NR_{17}C(O)R_{18}$, $-NR_{17}C(O)OR_{18}$, $-C(O)NR_{17}R_{18}$, $-NR_{17}C(O)NR_{17}R_{18}$, $-S(O)_qNR_{17}R_{18}$, $-S(O)_qR_{17}R_{18}$, $-NR_{17}S(O)_qR_{17}R_{18}$, or halogen, wherein alkyl is optionally substituted with one or more substituents independently selected from -OH or $-NH_2$;

or two R_3 together when on adjacent carbons form a $(C_3\text{-}C_8)$ cycloalkyl optionally substituted with one or more R_{19}; or two R_3 together form a $(C_3\text{-}C_8)$ spirocycloalkyl optionally substituted with one or more R_{19}; or two R_3 together form a spiroheterocyclyl optionally substituted with one or more R_{19}; or two R_3 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_{19}; or two R_3 together when on adjacent carbons form an heteroaryl ring optionally substituted with one or more R_{19};

R_4 is $(C_1\text{-}C_6)$ alkyl, -$(C_0\text{-}C_3)$ alkylene-aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, CD_3 or heterocyclyl, wherein aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

R_5 and $R_{5'}$ are independently H, D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, or halogen; or

R_5 and $R_{5'}$ together form a $(C_3\text{-}C_6)$ cycloalkyl or heterocyclyl ring optionally substituted with one or more substituents independently selected from halogen, -CN, $(C_1\text{-}C_6)$ alkyl, -OH, -CH_2OH, -$(C_0\text{-}C_2)$-alkylene-O$(C_1\text{-}C_6)$ alkyl, or -$(C_0\text{-}C_2)$-alkylene-$NR_{17}R_{18}$;

R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, or -OH when X_2 is N;

R_7 is H, D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, halogen, aryl, heteroaryl, -CN, or -$NR_{10}R_{11}$, wherein aryl and heteroaryl is optionally substituted with one or more R_{10};

each R_8 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, -$(C_1\text{-}C_3)$-alkylene-O$(C_1\text{-}C_6)$ alkyl, -$(C_0\text{-}C_4)$-alkylene-aryl, -$(C_0\text{-}C_4)$-alkylene-heteroaryl, $(C_3\text{-}C_{10})$ cycloalkyl, heterocyclyl, -$(C_0\text{-}C_4)$-alkylene-O-aryl, -$(C_0\text{-}C_4)$-alkylene-O-heteroaryl, -O-$(C_3\text{-}C_8)$cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -$(C_0\text{-}C_3)$-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)$((C_1\text{-}C_6)$alkyl$)_2$, -P(O)$(aryl)_2$, -$SiMe_3$, SF_5, or -OH, wherein alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_3\text{-}C_8)$ cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, oxo, -P(O)$((C_1\text{-}C_6)$alkyl$)_2$, -P(O)$(aryl)_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a $(C_3$-$C_{10})$ cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, $(C_1$-$C_6)$ alkyl, $(C_2$-$C_6)$ alkenyl, $(C_2$-$C_6)$ alkynyl, -$(C_0$-$C_3)$ alkylene-aryl, -$(C_0$-$C_4)$ alkylene-$(C_3$-$C_8)$ cycloalkyl, -$(C_0$-$C_4)$ alkylene-heterocyclyl, -$(C_0$-$C_4)$ alkylene-heteroaryl, or -CN, wherein alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ alkoxy, $(C_1$-$C_6)$ haloalkyl, $(C_1$-$C_6)$ haloalkoxy, $(C_3$-$C_8)$ cycloalkyl, heterocyclyl, aryl, -$S(O)_q(C_1$-$C_3)$ alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from oxo, -$C(O)(C_1$-$C_3)$ alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ alkoxy, $(C_1$-$C_6)$ haloalkyl, $(C_3$-$C_8)$ cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-$(C_3$-$C_8)$cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)$alkyl$)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein alkyl, aryl, heteroaryl, heterocyclyl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ haloalkyl, $(C_1$-$C_6)$ alkoxy, halogen, $(C_1$-$C_6)$ haloalkoxy, $(C_1$-$C_6)$ hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)$alkyl$)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from $(C_1$-$C_6)$ alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$CR_{10}R_{11}NR_{10}R_{11}$, oxo, -$NR_{10}R_{11}$, -$S(O)_q$($C_1$-$C_6$) alkyl, -$C(O)NR_{10}R_{11}$, -$S(O)_qNR_{10}R_{11}$, -$NR_{10}C(O)R_{10}R_{11}$, -$NR_{10}C(O)NR_{10}R_{11}$, or -OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

each R_{17} and R_{18} is at each occurrence independently H or (C_1-C_6) alkyl;

R_{19} is independently at each occurrence H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, halogen, -CN, or -$NR_{17}R_{18}$;

m is 0, 1 or 2;

n is 0, 1, 2 or 3;

p is 0, 1, or 2; and

each q is 0, 1, or 2.

[0011] Another example of the disclosure relates to a method of treating a disease or disorder associated with modulation of USP7. The method comprises administering to a patient in need of a treatment for diseases or disorders associated with modulation of USP7 an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0012] Another example of the disclosure is directed to a method of inhibiting USP7. The method involves administering to a patient in need thereof an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0013] Another example of the disclosure relates to a method of treating cancer. The method comprises administering to a patient in need thereof an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0014] Another example of the disclosure relates to a method of treating a neurodegenerative disease. The method comprises administering to a patient in need thereof an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0015] Another example of the disclosure relates to a method of treating a viral infection or disease. The method comprises administering to a patient in need thereof an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0016] Another example of the disclosure relates to a method of treating an inflammatory disease or condition. The method comprises administering to a patient in need thereof an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0017] Another example of the disclosure relates to a method of inducing cell cycle arrest, apoptosis in tumor cells and/or enhanced tumor-specific T-cell immunity. The method comprises contacting the cells with an effective amount of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0018] Another example of the disclosure is directed to pharmaceutical compositions comprising a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof and a pharmaceutically acceptable carrier. The pharmaceutical acceptable carrier may further include an excipient, diluent, or surfactant.

[0019] Another example of the present disclosure relates to a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof, for use in the manufacture of a medicament for treating a disease associated with inhibiting USP7.

[0020] Another example of the present disclosure relates to the use of a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof, in the treatment of a disease associated with inhibiting USP7.

[0021] The present disclosure further provides methods of treating a disease or disorder associated with modulation of USP7 including, cancer and metastasis, neurodegenerative diseases, immunological disorders, diabetes, bone and joint diseases, osteoporosis, arthritis inflammatory disorders, cardiovascular diseases, ischemic diseases, viral infections and diseases, viral infectivity and/or latency, and bacterial infections and diseases, comprising administering to a patient suffering from at least one of said diseases or disorder a compound of Formula (I), or a pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof.

[0022] The present disclosure provides inhibitors of USP7 that are therapeutic agents in the treatment of diseases such as cancer and metastasis, neurodegenerative diseases, immunological disorders, diabetes, bone and joint diseases, osteoporosis, arthritis inflammatory disorders, cardiovascular diseases, ischemic diseases, viral infections and diseases, viral infectivity and/or latency, and bacterial infections and diseases.

[0023] The present disclosure further provides compounds and compositions with an improved efficacy and safety profile relative to known USP7 inhibitors. The present disclosure also provides agents with novel mechanisms of action toward USP7 enzymes in the treatment of various types of diseases including cancer and metastasis, neurodegenerative diseases, immunological disorders, diabetes, bone and joint diseases, osteoporosis, arthritis inflammatory disorders, cardiovascular diseases, ischemic diseases, viral infections and diseases, viral infectivity and/or latency, and bacterial infections and diseases. Ultimately the present disclosure provides the medical community with a novel pharmacological strategy for the treatment of diseases and disorders associated with USP7 enzymes.

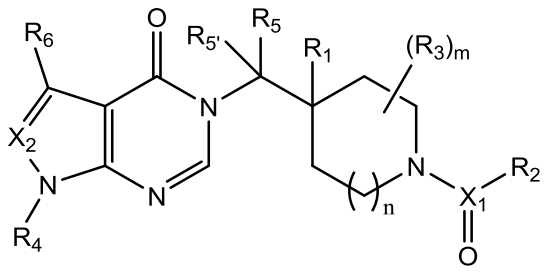
Detailed Description of the Invention

[0024] The present invention relates to compounds and compositions that are capable of inhibiting the activity USP7. The invention features methods of treating, preventing or ameliorating a disease or disorder in which USP7 plays a role by administering to a patient in need thereof a therapeutically effective amount of a compound of Formula (I), or a

pharmaceutically acceptable salt, hydrate, solvate, prodrug, stereoisomer, or tautomer thereof. The methods of the present invention can be used in the treatment of a variety of USP7 dependent diseases and disorders by inhibiting the activity of USP7 enzymes. Inhibition of USP7 provides a novel approach to the treatment, prevention, or amelioration of diseases including, but not limited to, cancer and metastasis, neurodegenerative diseases, immunological disorders, osteoporosis, arthritis inflammatory disorders, cardiovascular diseases, ischemic diseases, viral infections and diseases, and bacterial infections and diseases.

Claims

1. A compound of Formula (I):



(I),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

X_1 is C, S, or S(O);

X_2 is CR_7 or N;

R_1 is H, D, -OH, -SH, $-NH_2$, $-NH(C_1\text{-}C_4)$ alkyl, $-N((C_1\text{-}C_4)\text{ alkyl})_2$, or F;

R_2 is $(C_1\text{-}C_8)$ alkyl, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, $-NR_{10}R_{11}$, or $-OR_{10}$, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_3 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, -CN, -OH, $-C(O)R_{17}$, $-C(O)OR_{17}$, $-OC(O)OR_{17}$, $-OC(O)NR_{17}R_{18}$, $-NR_{17}R_{18}$, $-NR_{17}C(O)R_{18}$, $-NR_{17}C(O)OR_{18}$, $-C(O)NR_{17}R_{18}$, $-NR_{17}C(O)NR_{17}R_{18}$, $-S(O)_qNR_{17}R_{18}$, $-S(O)_qR_{17}R_{18}$, $-NR_{17}S(O)_qR_{17}R_{18}$, or halogen, wherein the alkyl is optionally substituted with one or more substituents independently selected from -OH or $-NH_2$;

or two R_3 together when on adjacent carbons form a $(C_3\text{-}C_8)$ cycloalkyl optionally substituted with one or more R_{19}; or two R_3 together form a $(C_3\text{-}C_8)$ spirocycloalkyl optionally substituted with one or more R_{19}; or two R_3 together form a spiroheterocyclyl optionally substituted with one or more R_{19}; or two R_3 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_{19}; or two R_3 together when on adjacent carbons form an heteroaryl ring optionally substituted with one or more R_{19};

R_4 is $(C_1\text{-}C_6)$ alkyl, $-(C_0\text{-}C_3)$ alkylene-aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, CD_3, or

heterocyclyl, wherein the aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

R_5 and $R_{5'}$ are independently H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, or halogen; or

R_5 and $R_{5'}$ together form a (C_3-C_6) cycloalkyl or heterocyclyl ring optionally substituted with one or more substituents independently selected from halogen, -CN, (C_1-C_6) alkyl, -OH, -CH_2OH, -(C_0-C_2)-alkylene-O(C_1-C_6) alkyl, or -(C_0-C_2)-alkylene-$NR_{17}R_{18}$;

R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, or -OH;

R_7 is H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, halogen, aryl, heteroaryl, -CN, or -$NR_{10}R_{11}$, wherein the aryl and heteroaryl is optionally substituted with one or more R_{10};

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O) $_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or –CN,

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -$S(O)_q$(C_1-C_3) alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, heterocyclyl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or –OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

each R_{17} and R_{18} is at each occurrence independently H or (C_1-C_6) alkyl;

R_{19} is independently at each occurrence H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, halogen, -CN, or -$NR_{17}R_{18}$;

m is 0, 1 or 2;

n is 0, 1, 2 or 3;

p is 0, 1, or 2; and

each q is 0, 1, or 2.

2. The compound of claim 1, wherein X_1 is C or S(O).

3. The compound of claim 1, wherein R_1 is -OH or F.

4. The compound of claim 1, wherein R_3 is halogen or (C_1-C_6) alkoxy.

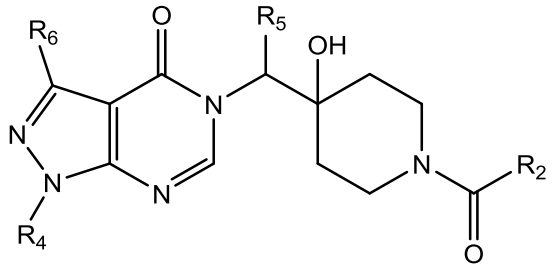
5. The compound of claim 1, wherein R_5 and $R_{5'}$ are independently H or (C_1-C_6) alkyl.

6. The compound of claim 1, wherein R_6 is H or (C_1-C_6) alkyl.

7. The compound of claim 1, wherein R_7 is H, (C_1-C_6) alkyl, or aryl.

8. The compound of claim 1, wherein n is 1.

9. The compound of claim 1, having Formula (Ia):



(Ia),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

R_4 is (C_1-C_6) alkyl, -(C_0-C_3) alkylene-aryl, heteroaryl, (C_3-C_8) cycloalkyl, CD_3, or heterocyclyl, wherein the aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

R_5 is H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, or halogen;

R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, or -OH;

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl,

halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O) $_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or –CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -S(O)$_q$(C_1-C_3) alkyl, -S(O)$_q$$NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}$C(O)$R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -S(O)$_q$$R_{10}$, -($CH_2$)$_p$C(O)$OR_{10}$, -C(O)$NR_{14}R_{15}$, -S(O)$_q$$NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}$C(O)$NR_{14}R_{15}$, -$NR_{14}$C(O)$OR_{10}$, -$NR_{14}SO_q$$R_{10}$,

$-NR_{14}COR_{10}$, halogen, $-P(O)((C_1-C_6)alkyl)_2$, $-P(O)(aryl)_2$, $-SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, $-OR_{14}$, $-C(O)R_{14}$, $-C(O)NR_{14}R_{15}$, $-NR_{14}R_{15}$, $-S(O)_qR_{14}$, $-NR_{14}S(O)_qR_{15}$, $-S(O)_qNR_{14}R_{15}$, $-NR_{14}C(O)NR_{14}R_{15}$, $-NR_{14}C(O)OR_{15}$, $-P(O)((C_1-C_6)alkyl)_2$, $-P(O)(aryl)_2$, $-SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, $-NR_{14}C(O)R_{15}$, -OH, -CN, $-C(O)R_{14}$, or $-NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, $-(C_1-C_4)$ alkylene-(C_3-C_8) cycloalkyl, $-(C_0-C_4)$ alkylene-heterocyclyl, $-(C_0-C_4)$ alkylene-aryl, $-(C_0-C_4)$ alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, $-C(O)(C_1-C_3)$ alkyl, $-NHC(O)(C_1-C_4)$ alkyl, -CN, $-CH_2CN$, $-S(O)_q(C_1-C_6)$ alkyl, or –OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

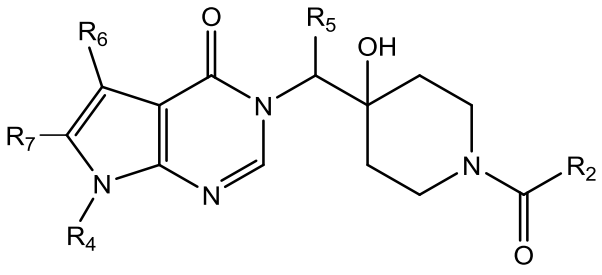
each R_{17} and R_{18} is independently at each occurrence H or (C_1-C_6) alkyl;

p is 0, 1, or 2; and

each q is 0, 1, or 2.

10. The compound of claim 1, wherein R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, or (C_1-C_6) alkoxy.

11. The compound of claim 1, having Formula (Ib):



(Ib),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

R_4 is (C_1-C_6) alkyl, -(C_0-C_3) alkylene-aryl, heteroaryl, (C_3-C_8) cycloalkyl, CD_3, or heterocyclyl, wherein the aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

R_5 is H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, or halogen; or

R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, or -OH;

R_7 is H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, halogen, aryl, heteroaryl, -CN, or -$NR_{10}R_{11}$, wherein the aryl and heteroaryl is optionally substituted with one or more R_{10};

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -$S(O)_qR_{10}$, -$S(O)_qNR_{10}R_{11}$, -$NR_{10}S(O)_qR_{11}$, -(C_0-C_3)-alkylene-$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -NR_{10}C(O)C(O)R_{11}, -NR_{10}C(O)$NR_{10}R_{11}$, or -OH,

wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_3\text{-}C_8)$ cycloalkyl, halogen, aryl, -OH, -CN, $-C(O)R_{10}$, $-C(O)NR_{10}R_{11}$, $-NR_{10}C(O)R_{11}$, $-NR_{10}R_{11}$, $-S(O)_qR_{10}$, $-S(O)_qNR_{10}R_{11}$, $-NR_{10}S(O)_qR_{11}$, -O-aryl, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, halogen, aryl, $-NR_{14}C(O)R_{15}$, $-NR_{14}S(O)_qR_{15}$, -OH or –CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a $(C_3\text{-}C_{10})$ cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $-(C_0\text{-}C_3)$ alkylene-aryl, $-(C_0\text{-}C_4)$ alkylene-$(C_3\text{-}C_8)$ cycloalkyl, $-(C_0\text{-}C_4)$ alkylene-heterocyclyl, $-(C_0\text{-}C_4)$ alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, aryl, $-S(O)_q(C_1\text{-}C_3)$ alkyl, $-S(O)_qNR_{14}R_{15}$, $-NR_{14}R_{15}$, $-NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from $-C(O)(C_1\text{-}C_3)$ alkyl or $-NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_3\text{-}C_8)$ cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-$(C_3\text{-}C_8)$cycloalkyl, $-S(O)_qR_{10}$, $-(CH_2)_pC(O)OR_{10}$, $-C(O)NR_{14}R_{15}$, $-S(O)_qNR_{14}R_{15}$, $-NR_{14}R_{15}$, $-NR_{14}C(O)NR_{14}R_{15}$, $-NR_{14}C(O)OR_{10}$, $-NR_{14}SO_qR_{10}$, $-NR_{14}COR_{10}$, halogen, $-P(O)((C_1\text{-}C_6)\text{alkyl})_2$, $-P(O)(\text{aryl})_2$, $-SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl,

(C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -$C(O)(C_1$-C_3) alkyl, -$NHC(O)(C_1$-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q(C_1$-C_6) alkyl, or -OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

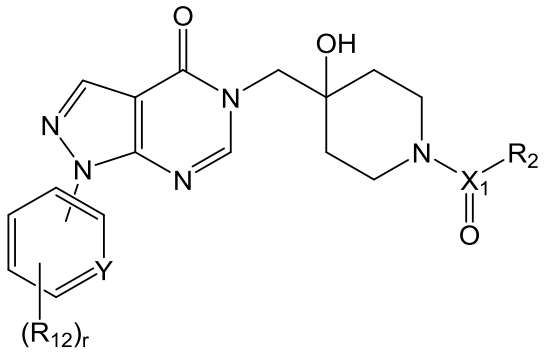
each R_{17} and R_{18} is at each occurrence independently H or (C_1-C_6) alkyl;

p is 0, 1, or 2; and

each q is 0, 1, or 2.

12. The compound of claim 11, wherein R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, or (C_1-C_6) alkoxy.

13. The compound of claim 1, having Formula (Ic):



(Ic),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

X_1 is C, S, or S(O);

Y is CH or N;

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$,

-$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -$NR_{14}C(O)R_{15}$, -$NR_{14}S(O)_qR_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -$S(O)_q$(C_1-C_3) alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon

to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or -OH;

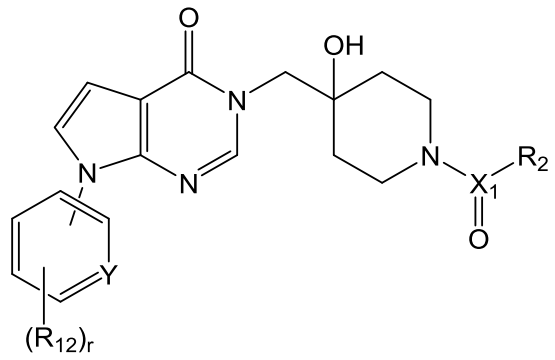
or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

p is 0, 1, or 2;

each q is 0, 1, or 2; and

r is 1, 2, 3, 4, or 5.

14. The compound of claim 1, having Formula (Id):



(Id),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

X_1 is C, S, or S(O);

Y is CH or N;

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl,

$-S(O)_q(C_1-C_3)$ alkyl, $-S(O)_qNR_{14}R_{15}$, $-NR_{14}R_{15}$, $-NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from $-C(O)(C_1-C_3)$ alkyl or $-NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, $-O-(C_3-C_8)$cycloalkyl, $-S(O)_qR_{10}$, $-(CH_2)_pC(O)OR_{10}$, $-C(O)NR_{14}R_{15}$, $-S(O)_qNR_{14}R_{15}$, $-NR_{14}R_{15}$, $-NR_{14}C(O)NR_{14}R_{15}$, $-NR_{14}C(O)OR_{10}$, $-NR_{14}SO_qR_{10}$, $-NR_{14}COR_{10}$, halogen, $-P(O)((C_1-C_6)alkyl)_2$, $-P(O)(aryl)_2$, $-SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, $-OR_{14}$, $-C(O)R_{14}$, $-C(O)NR_{14}R_{15}$, $-NR_{14}R_{15}$, $-S(O)_qR_{14}$, $-NR_{14}S(O)_qR_{15}$, $-S(O)_qNR_{14}R_{15}$, $-NR_{14}C(O)NR_{14}R_{15}$, $-NR_{14}C(O)OR_{15}$, $-P(O)((C_1-C_6)alkyl)_2$, $-P(O)(aryl)_2$, $-SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, $-NR_{14}C(O)R_{15}$, -OH, -CN, $-C(O)R_{14}$, or $-NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, $-(C_1-C_4)$ alkylene-(C_3-C_8) cycloalkyl, $-(C_0-C_4)$ alkylene- heterocyclyl, $-(C_0-C_4)$ alkylene-aryl, $-(C_0-C_4)$ alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, $-C(O)(C_1-C_3)$ alkyl, $-NHC(O)(C_1-C_4)$ alkyl, -CN, $-CH_2CN$,

$-S(O)_q(C_1\text{-}C_6)$ alkyl, or -OH;

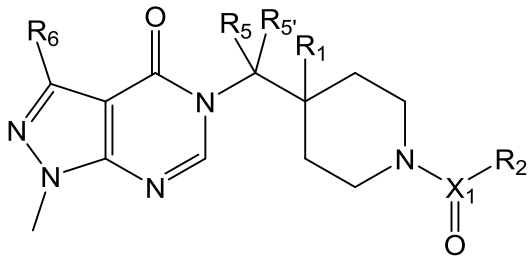
or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

p is 0, 1, or 2;

each q is 0, 1, or 2; and

r is 1, 2, 3, 4, or 5.

15. The compound of claim 1, having Formula (Ie):



(Ie),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

X_1 is C, S, or S(O);

R_1 is H, D, -OH, -SH, $-NH_2$, $-NH(C_1\text{-}C_4)$ alkyl, $-N((C_1\text{-}C_4)\text{ alkyl})_2$, or F;

R_2 is $(C_1\text{-}C_8)$ alkyl, aryl, heteroaryl, $(C_3\text{-}C_8)$ cycloalkyl, heterocyclyl, $-NR_{10}R_{11}$, or $-OR_{10}$, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

R_5 and $R_{5'}$ are independently H, D, $(C_1\text{-}C_6)$ alkyl, $(C_2\text{-}C_6)$ alkenyl, $(C_2\text{-}C_6)$ alkynyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, or halogen; or

R_5 and $R_{5'}$ together form a $(C_3\text{-}C_6)$ cycloalkyl or heterocyclyl ring optionally substituted with one or more substituents independently selected from halogen, -CN, $(C_1\text{-}C_6)$ alkyl, -OH, $-CH_2OH$, $-(C_0\text{-}C_2)$-alkylene-$O(C_1\text{-}C_6)$ alkyl, or $-(C_0\text{-}C_2)$-alkylene-$NR_{17}R_{18}$;

R_6 is independently H, D, halogen, -CN, $-NR_{17}R_{18}$, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, or -OH;

each R_8 is independently at each occurrence selected from D, $(C_1\text{-}C_6)$ alkyl, $(C_1\text{-}C_6)$ alkoxy, $(C_1\text{-}C_6)$ haloalkyl, $(C_1\text{-}C_6)$ haloalkoxy, $-(C_1\text{-}C_3)$-alkylene-$O(C_1\text{-}C_6)$ alkyl, $-(C_0\text{-}C_4)$-alkylene-aryl, $-(C_0\text{-}C_4)$-alkylene-heteroaryl, $(C_3\text{-}C_{10})$ cycloalkyl, heterocyclyl, $-(C_0\text{-}C_4)$-alkylene-O-aryl, $-(C_0\text{-}C_4)$-alkylene-O-heteroaryl, -O-$(C_3\text{-}C_8)$cycloalkyl, -S-heteroaryl,

halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O) $_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -S(O)$_q$(C_1-C_3) alkyl, -S(O)$_q$$NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}$C(O)$R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

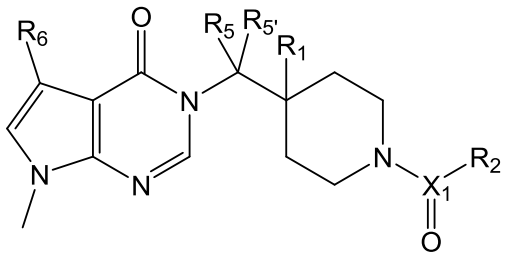
each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -S(O)$_q$(C_1-C_6) alkyl, or -OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

each R_{17} and R_{18} is at each occurrence independently H or (C_1-C_6) alkyl; and

each q is 0, 1, or 2.

16. The compound of claim 1, having Formula (If):



(If),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

X_1 is C, S, or S(O);

R_1 is H, D, -OH, -SH, -NH_2, -NH(C_1-C_4) alkyl, -N((C_1-C_4) alkyl)$_2$, or F;

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

R_5 and $R_{5'}$ are independently H, D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, or halogen; or

R_5 and $R_{5'}$ together form a (C_3-C_6) cycloalkyl or heterocyclyl ring optionally substituted with one or more substituents independently selected from halogen, -CN, (C_1-C_6) alkyl, -OH, -CH_2OH, -(C_0-C_2)-alkylene-O(C_1-C_6) alkyl, or -(C_0-C_2)-alkylene-$NR_{17}R_{18}$;

R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, or -OH;

each R_8 is independently at each occurrence selected from D, $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ alkoxy, $(C_1$-$C_6)$ haloalkyl, $(C_1$-$C_6)$ haloalkoxy, -$(C_1$-$C_3)$-alkylene-O$(C_1$-$C_6)$ alkyl, -$(C_0$-$C_4)$-alkylene-aryl, -$(C_0$-$C_4)$-alkylene-heteroaryl, $(C_3$-$C_{10})$ cycloalkyl, heterocyclyl, -$(C_0$-$C_4)$-alkylene-O-aryl, -$(C_0$-$C_4)$-alkylene-O-heteroaryl, -O-$(C_3$-$C_8)$cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q R_{10}$, -S(O)$_q NR_{10}R_{11}$, -NR_{10}S(O)$_q R_{11}$, -$(C_0$-$C_3)$-alkylene-$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -NR_{10}C(O)C(O)R_{11}, -NR_{10}C(O)$NR_{10}R_{11}$, -P(O)$((C_1$-$C_6)$alkyl$)_2$, -P(O)$(aryl)_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ alkoxy, $(C_3$-$C_8)$ cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q R_{10}$, -S(O)$_q NR_{10}R_{11}$, -NR_{10}S(O)$_q R_{11}$, -P(O)$((C_1$-$C_6)$alkyl$)_2$, -P(O)$(aryl)_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ alkoxy, $(C_1$-$C_6)$ haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a $(C_3$-$C_{10})$ cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, $(C_1$-$C_6)$ alkyl, $(C_2$-$C_6)$ alkenyl, $(C_2$-$C_6)$ alkynyl, -$(C_0$-$C_3)$ alkylene-aryl, -$(C_0$-$C_4)$ alkylene-$(C_3$-$C_8)$ cycloalkyl, -$(C_0$-$C_4)$ alkylene-heterocyclyl, -$(C_0$-$C_4)$ alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from $(C_1$-$C_6)$ alkyl, $(C_1$-$C_6)$ alkoxy, $(C_1$-$C_6)$ haloalkyl, $(C_1$-$C_6)$ haloalkoxy, $(C_3$-$C_8)$ cycloalkyl, heterocyclyl, aryl, -S(O)$_q(C_1$-$C_3)$ alkyl, -S(O)$_q NR_{14}R_{15}$, -$NR_{14}R_{15}$, -NR_{14}C(O)R_{15}, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)$(C_1$-$C_3)$ alkyl or -$NR_{14}NR_{15}$;

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or -OH;

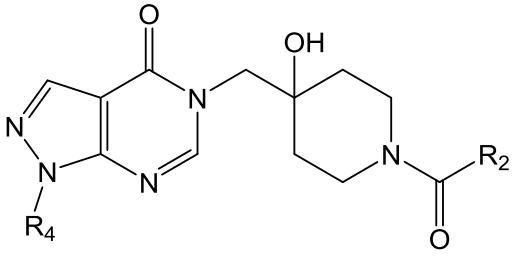
or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

each R_{17} and R_{18} is at each occurrence independently H or (C_1-C_6) alkyl; and

each q is 0, 1, or 2.

17. The compound of claim 16, wherein R_6 is independently H, D, halogen, -CN, -$NR_{17}R_{18}$, (C_1-C_6) alkyl, or (C_1-C_6) alkoxy.

18. The compound of claim 1, having Formula (Ig):



(Ig),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

R_4 is (C_1-C_6) alkyl, -(C_0-C_3) alkylene-aryl, heteroaryl, (C_3-C_8) cycloalkyl, CD_3, or heterocyclyl, wherein the aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl,

-(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -$S(O)_q$(C_1-C_3) alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene- heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

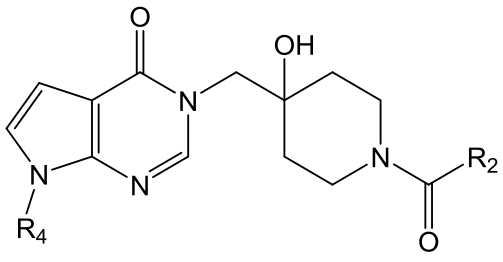
each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or -OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

p is 0, 1, or 2; and

each q is 0, 1, or 2.

19. The compound of claim 1, having Formula (Ih):



(Ih),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

R_4 is (C_1-C_6) alkyl, -(C_0-C_3) alkylene-aryl, heteroaryl, (C_3-C_8) cycloalkyl, CD_3, or heterocyclyl, wherein the aryl, heteroaryl, heterocyclyl and cycloalkyl are optionally substituted with one or more R_{12};

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -$S(O)_qR_{10}$, -$S(O)_qNR_{10}R_{11}$, -$NR_{10}S(O)_qR_{11}$,

-(C_0-C_3)-alkylene-$NR_{10}R_{11}$, -$NR_{10}C(O)R_{11}$, -$NR_{10}C(O)C(O)R_{11}$, -$NR_{10}C(O)NR_{10}R_{11}$, -P(O)((C_1-C_6)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -$C(O)R_{10}$, -$C(O)NR_{10}R_{11}$, -$NR_{10}C(O)R_{11}$, -$NR_{10}R_{11}$, -$S(O)_qR_{10}$, -$S(O)_qNR_{10}R_{11}$, -$NR_{10}S(O)_qR_{11}$, -P(O)((C_1-C_6)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -$NR_{14}C(O)R_{15}$, -$NR_{14}S(O)_qR_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -$S(O)_q$(C_1-C_3) alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -P(O)((C_1-C_6)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

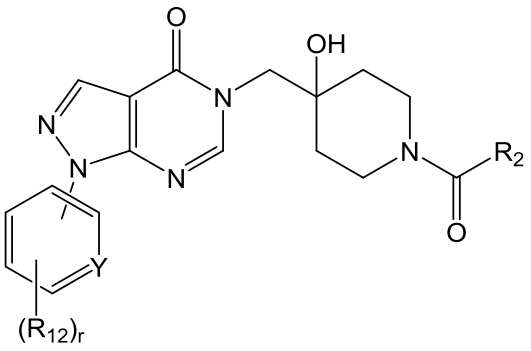
each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -$C(O)(C_1$-C_3) alkyl, -$NHC(O)(C_1$-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q(C_1$-C_6) alkyl, or -OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

p is 0, 1, or 2; and

each q is 0, 1, or 2.

20. The compound of claim 1, having Formula (Ii):



(Ii),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

Y is CH or N;

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O) $_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -$S(O)_q$(C_1-C_3) alkyl, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or -OH;

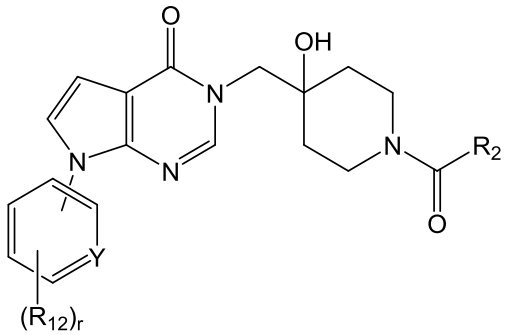
or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

p is 0, 1, or 2;

each q is 0, 1, or 2 and

r is 0, 1, 2, 3, 4, or 5.

21. The compound of claim 1, having Formula (Ij):



(Ij),

or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, or tautomer thereof,

wherein:

Y is CH or N;

R_2 is (C_1-C_8) alkyl, aryl, heteroaryl, (C_3-C_8) cycloalkyl, heterocyclyl, -$NR_{10}R_{11}$, or -OR_{10}, wherein the alkyl, aryl, cycloalkyl, and heterocyclyl are optionally substituted with one or more R_8;

each R_8 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, -(C_1-C_3)-alkylene-O(C_1-C_6) alkyl, -(C_0-C_4)-alkylene-aryl, -(C_0-C_4)-alkylene-heteroaryl, (C_3-C_{10}) cycloalkyl, heterocyclyl, -(C_0-C_4)-alkylene-O-aryl, -(C_0-C_4)-alkylene-O-heteroaryl, -O-(C_3-C_8)cycloalkyl, -S-heteroaryl, halogen, -CN, -C(O)R_{10}, -CO(O)R_{10}, -C(O)$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -($C_0$-$C_3$)-alkylene-$NR_{10}R_{11}$, -$NR_{10}$C(O)$R_{11}$, -$NR_{10}$C(O)C(O)$R_{11}$, -$NR_{10}$C(O)$NR_{10}R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, or -OH, wherein the alkyl, alkylene, aryl, heteroaryl, and heterocyclyl are optionally substituted with one or more R_9;

or two R_8 together when on adjacent carbons form an aryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_9; or two R_8 together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_9;

each R_9 is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_3-C_8) cycloalkyl, halogen, aryl, -OH, -CN, -C(O)R_{10}, -C(O)$NR_{10}R_{11}$, -NR_{10}C(O)R_{11}, -$NR_{10}R_{11}$, -S(O)$_q$$R_{10}$, -S(O)$_q$$NR_{10}R_{11}$, -$NR_{10}$S(O)$_q$$R_{11}$, -P(O)(($C_1$-$C_6$)alkyl)$_2$, -P(O)(aryl)$_2$, -$SiMe_3$, SF_5, -O-aryl, CN, or -O-heteroaryl, wherein the alkyl, aryl, and cycloalkyl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, halogen, aryl, -NR_{14}C(O)R_{15}, -NR_{14}S(O)$_q$$R_{15}$, -OH or -CN;

or two R_9 together when on adjacent carbons form an aryl ring; or two R_9 together when on adjacent carbons form a heteroaryl ring; or two R_9 together when on adjacent carbons form a (C_3-C_{10}) cycloalkyl ring;

each R_{10} and R_{11} is independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_0-C_3) alkylene-aryl, -(C_0-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more substituents independently selected from (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_1-C_6) haloalkoxy, (C_3-C_8) cycloalkyl, heterocyclyl, aryl, -S(O)$_q$(C_1-C_3) alkyl, -S(O)$_q$$NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}$C(O)$R_{15}$, halogen, -OH, or -CN;

or R_{10} and R_{11} together form a heterocyclyl ring optionally substituted with one or more substituents selected from -C(O)(C_1-C_3) alkyl or -$NR_{14}NR_{15}$;

each R_{12} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkyl, (C_3-C_8) cycloalkyl, aryl, heteroaryl, -O-aryl, -O-heteroaryl, -O-heterocyclyl, -O-(C_3-C_8)cycloalkyl, -$S(O)_qR_{10}$, -$(CH_2)_pC(O)OR_{10}$, -$C(O)NR_{14}R_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{10}$, -$NR_{14}SO_qR_{10}$, -$NR_{14}COR_{10}$, halogen, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -OH, wherein the alkyl, aryl, heteroaryl, and cycloalkyl are optionally substituted with one or more R_{13};

each R_{13} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, halogen, (C_1-C_6) haloalkoxy, (C_1-C_6) hydroxyalkyl, heterocyclyl, heteroaryl, aryl, -OR_{14}, -$C(O)R_{14}$, -$C(O)NR_{14}R_{15}$, -$NR_{14}R_{15}$, -$S(O)_qR_{14}$, -$NR_{14}S(O)_qR_{15}$, -$S(O)_qNR_{14}R_{15}$, -$NR_{14}C(O)NR_{14}R_{15}$, -$NR_{14}C(O)OR_{15}$, -$P(O)((C_1$-$C_6)alkyl)_2$, -$P(O)(aryl)_2$, -$SiMe_3$, SF_5 or -CN, wherein the alkyl, cycloalkyl, aryl, heterocyclyl, and heteroaryl are substituted with one or more substituents independently selected from (C_1-C_6) alkyl, -$NR_{14}C(O)R_{15}$, -OH, -CN, -$C(O)R_{14}$, or -$NR_{14}R_{15}$;

or two R_{13} together when on adjacent carbons form a heterocyclyl ring optionally substituted with one or more R_{16}; or two R_{13} together when on adjacent carbons form a heteroaryl ring optionally substituted with one or more R_{16}; or two R_{13} together with the carbon to which they are attached can form a spiroheterocyclyl optionally substituted with one or more R_{16};

each R_{14} and R_{15} are independently at each occurrence selected from H, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, -(C_1-C_4) alkylene-(C_3-C_8) cycloalkyl, -(C_0-C_4) alkylene-heterocyclyl, -(C_0-C_4) alkylene-aryl, -(C_0-C_4) alkylene-heteroaryl, or -CN, wherein the alkyl, alkenyl, alkynyl, alkylene, cycloalkyl, heterocyclyl, aryl, and heteroaryl are optionally substituted with one or more R_{16};

or R_{14} and R_{15} together form a heterocyclyl ring optionally substituted with one or more R_{16};

each R_{16} is independently at each occurrence selected from D, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl, (C_1-C_6) haloalkyl, (C_1-C_6) alkoxy, (C_1-C_6) haloalkoxy, -C(O)(C_1-C_3) alkyl, -NHC(O)(C_1-C_4) alkyl, -CN, -CH_2CN, -$S(O)_q$(C_1-C_6) alkyl, or -OH;

or two R_{16} together when on adjacent carbons form an aryl ring; or two R_{16} together when on adjacent carbons form a spiroheterocyclyl ring;

p is 0, 1, or 2;

each q is 0, 1, or 2 and

r is 0, 1, 2, 3, 4, or 5.

22. The compound of claim 1 selected from:

5-{[4-hydroxy-1-(3-phenylbutanoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}methoxy)benzonitrile;

1-(4-fluorophenyl)-5-((4-hydroxy-1-(4-(5-methyl-5,6-dihydropyrrolo [3,4-c]pyrazol-1(4H)-yl)benzoyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{5-methyl-2H,4H,5H,6H-pyrrolo[3,4-c]pyrazol-2-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-(4-(4-(4-((1-(4-fluorophenyl)-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-5(4H)-yl)methyl)-4-hydroxypiperidine-1-carbonyl)phenyl)-1H-pyrazol-1-yl)acetamide;

5-((1-((2R,4S)-1-acryloyl-4-methylazetidine-2-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(4-{2,5-diazabicyclo[2.2.1]heptan-2-yl}benzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[1-(2-hydroxyethyl)-1H-pyrazol-4-yl]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(2-(1-methylpiperidin-2-yl)ethyl) phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-(3-(3-(dimethylamino)propyl)phenyl)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl) methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

3-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-(piperidin-1-ylmethyl) phenyl)-3H-pyrrolo[2,3-d]pyrimidin-4(7H)-one;

3-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-7-[4-fluoro-3-(piperidin-1-ylmethyl)phenyl]-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

(S)-5-(1-(1-(4-Fluorobenzoyl)-4-hydroxypiperidin-4-yl)ethyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

6-{[(1r,4r)-4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclohexyl]oxy}pyridine-3-carbonitrile;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(6-methylpyrazin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(2-methylpyrimidin-4-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1r,4r)-4-[(2-fluoropyridin-3-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-{[6-(azetidin-1-yl)pyridin-2-yl]oxy}cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(5-methoxypyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1r,4r)-4-[(5-methoxypyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(pyrazin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(2-methylpyrimidin-5-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(6-fluoropyridin-2-yl)amino] cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(6-fluoropyridin-2-yl)amino] cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[1-methyl-3-(1-phenylethyl)-1H-pyrazole-4-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[2-(1,2,3,4-tetrahydronaphthalen-1-yl)acetyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,3s)-3-[(pyridin-3-yl)amino] cyclobutanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,3r)-3-[(pyridin-3-yl)amino] cyclobutanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,3s)-3-[(5-fluoropyridin-2-yl)amino] cyclobutanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,3r)-3-[(5-fluoropyridin-2-yl)amino] cyclobutanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,3s)-3-[(pyridin-2-yl)amino] cyclobutanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,3r)-3-[(pyridin-2-yl)amino] cyclobutanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

7-(4-fluorophenyl)-3-({4-hydroxy-1-[(1s,4s)-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

Syn-5-((1-(4-((2-fluoropyridin-3-yl)amino)cyclohexane-1-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-phenyl-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one, isomer A (**I-1039a**);

Anti-5-((1-(4-((2-fluoropyridin-3-yl)amino)cyclohexane-1-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-phenyl-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one, isomer B (**I-1039b**);

5-({4-hydroxy-1-[4-(phenoxymethyl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

7-(4-fluorophenyl)-3-({4-hydroxy-1-[(1s,4s)-4-[(1-methyl-1H-pyrazol-3-yl)amino] cyclohexanecarbonyl]piperidin-4-yl}methyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

7-(4-fluorophenyl)-3-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-3-yl)amino] cyclohexanecarbonyl]piperidin-4-yl}methyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

1-[3-(3-fluoro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-chloro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-((3,3-difluorocyclobutyl)methoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(4,4-difluorocyclohexyl)oxy]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(1H-pyrrol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-{4-[(3R)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{4-[(1-methylpyrrolidin-3-yl)oxy]benzoyl}piperidin-4-yl)methyl]-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-N-phenylbenzene-1-sulfonamide;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{4-[(1-methylpiperidin-4-yl)oxy]benzoyl}piperidin-4-yl)methyl]-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(pyrimidin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1s,3s)-3-(pyridin-2-yloxy)cyclobutanecarbonyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-cyclopropylurea;

4-[(1-{5-[(cyclopropylmethyl)amino]pyridin-3-yl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

7-(4-fluorophenyl)-3-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-3-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

N-[(1r,4r)-4-[(4-[[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4 -d]pyrimidin-5-yl]methyl]-4-hydroxypiperidin-1-yl)carbonyl]cyclohexyl]acetamide;

5-((4-hydroxy-1-((1r,4r)-4-(pyridin-2-yloxy)cyclohexanecarbonyl) piperidin-4-yl)methyl)-1-(4-(hydroxymethyl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-N-methyl-N-phenylbenzene-1-sulfonamide;

1-(4-bromophenyl)-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(6-methoxypyridine-3-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(cyclopropylamino)cyclohexanecarbonyl] piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(cyclopropylmethyl)amino] cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(cyclopropylmethyl)amino] cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,4r)-4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclohexyl]cyclopropanecarboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyridine-3-carboxamide;

7-(4-fluorophenyl)-3-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

7-(4-fluorophenyl)-3-{[4-hydroxy-1-(1-methyl-1H-pyrazole-4-carbonyl)piperidin-4-yl]methyl}-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

3-{[1-(1-cyclopropyl-1H-pyrazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-7-(4-fluorophenyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-N-methyl-N-phenylbenzamide;

1-[3-(4-acetylpiperazin-1-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1¿6,4-thiomorpholine-1,1-dione;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1,2,3,4-tetrahydroquinolin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1,2,3,4-tetrahydroquinolin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-[1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)piperidin-3-yl]acetonitrile;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[2-(4-methylpiperazin-1-yl)-1,3-oxazole-5-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[2-(pyridin-2-yloxy)-1,3-oxazole-5-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(1H-1,2,3,4-tetrazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(1H-imidazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(5-methyl-1H-1,2,3,4-tetrazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-N-phenylbenzamide;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(1H-1,2,4-triazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(5-cyclopropyl-1,3,4-oxadiazole-2-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(1-cyclopropyl-1H-imidazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(1-cyclopropyl-1H-pyrazole-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(1-cyclopropyl-1H-pyrazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{4-[(1-methylpiperidin-4-yl)oxy]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)- 5-[[1-([3-[2-(dimethylamino)ethoxy]phenyl]carbonyl)-4-hydroxypiperidin-4-yl]methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(1-{3-[3-(dimethylamino)propoxy]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(1-[[4-(1,5-dimethyl-1H-imidazol-2-yl)phenyl]carbonyl]-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-(3-{5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)acetic acid;

N-{4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}benzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-5-methylpyrazine-2-carboxamide;

1-(4-chlorophenyl)-5-({1-[4-(1,2-dimethyl-1H-imidazol-5-yl)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4,4-difluoro-3-phenylbutanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-phenylbutanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-phenylbutanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-benzyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}benzenesulfonamide;

5-{[1-(3-benzyl-5-methyl-1,2-thiazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(difluoromethoxy)cyclohexanecarbonyl] piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(pyrazin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-5-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-methoxycyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(4-{[(1r,4r)-4-methoxycyclohexyl]oxy}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

Syn-5-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-1-(4-((4-methoxycyclohexyl)oxy)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one,;

Anti-5-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-1-(4-((4-methoxycyclohexyl)oxy)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-{4-[(4,4-difluorocyclohexyl)oxy]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[(3-methyloxetan-3-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(1-fluorocyclobutyl)methoxy]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(1,3-thiazol-2-yl)butanoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methylbenzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methoxybenzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-fluorobenzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-fluorobenzamide;

7-(4-fluorophenyl)-3-({4-hydroxy-1-[(1r,4r)-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

3-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-7-(4-fluorophenyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

3-({1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-7-(4-fluorophenyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[3-(pyrrolidin-1-ylmethyl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(1H-1,2,3-triazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(2H-1,2,3-triazol-2-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-chloro-4-phenoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(3,3-difluorocyclobutyl)methoxy]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(4,4-difluorocyclohexyl)oxy]phenyl}-5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(1-fluorocyclobutyl)methoxy]phenyl}-5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1-{4-[(3-methyloxetan-3-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(1-fluorocyclobutyl)methoxy]phenyl}-5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-4-[(1-{4-[(3R)-3-methoxypyrrolidin-1-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-N,N-dimethylpiperidine-1-carboxamide;

5-({4-hydroxy-1-[(3S)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((4-Hydroxy-1-(4-(4-hydroxycyclohexyloxy)benzoyl)piperidin-4-yl)methyl)-1-p-tolyl-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-((4-hydroxy-1-(4-(1-methylazetidin-3-yloxy)benzoyl)piperidin-4-yl)methyl)-1-p-tolyl-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-((4-Hydroxy-1-(4-(oxetan-3-yloxy)benzoyl)piperidin-4-yl)methyl)-1-p-tolyl-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-({4-hydroxy-1-[4-(oxan-4-yloxy)benzoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((4-hydroxy-1-(4-(piperidin-4-yloxy)benzoyl)piperidin-4-yl)methyl)-1-p-tolyl-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[2-(piperidin-1-yl)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[2-(morpholin-4-yl)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(2-ethylbutyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[2-(propan-2-yloxy)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-phenyl-1,2,3,4-tetrahydroisoquinoline-6-carbonyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(cyclopropylmethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[(1-methylpiperidin-3-yl)methyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methoxybenzene-1-sulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(cyclopropylamino)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(cyclohexylamino)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(benzylamino)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(2-phenylethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(2,2-dimethylpropyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(pyridin-3-ylmethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(4-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{3-[benzyl(methyl)amino]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-{[5-(2-hydroxyethoxy)pyridin-2-yl]oxy}benzoyl)piperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-benzyl-1-methyl-1H-pyrazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{1-methyl-3-[(1R)-1-phenylethyl]-1H-pyrazole-4-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{1-methyl-3-[(1S)-1-phenylethyl]-1H-pyrazole-4-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-benzyl-5-methyl-1,2-oxazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[4-(2-methoxyethyl)piperazin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(3-hydroxy-3-methylpyrrolidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{5H,6H,7H,8H-imidazo[1,2-a]pyrimidin-8-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(1,2,3,4-tetrahydroquinolin-1-yl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{5H,6H,7H,8H-imidazo[1,2-a]pyrimidin-8-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1,2,3,4-tetrahydroquinoxalin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(1,2,3,4-tetrahydroquinoxalin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4H,5H,6H,7H-[1,2,4]triazolo[1,5-a]pyrimidin-4-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{4H,5H,6H,7H-[1,2,4]triazolo[1,5-a]pyrimidin-4-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{2-methyl-5H,6H,7H,8H-[1,2,4]triazolo[1,5-a]pyrazin-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{2-methyl-5H,6H,7H,8H-[1,2,4]triazolo[1,5-a]pyrazin-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{5H,6H,7H,8H-[1,2,4]triazolo[1,5-a]pyrazin-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{5H,6H,7H,8H-[1,2,4]triazolo[1,5-a]pyrazin-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(4-methyl-1,2,3,4-tetrahydroquinoxalin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1-acetylpiperidine-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{bicyclo[1.1.1]pentane-1-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(cyclopentylamino)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(morpholin-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(5-methoxypyridine-2-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{3-aminobicyclo[1.1.1]pentane-1-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(cyclohexylamino)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(2-phenylethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(2,2-dimethylpropyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(pyridin-3-ylmethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[benzyl(methyl)amino]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(1H-pyrazol-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(6-methoxypyridin-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(2-methoxypyridin-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(5-methyl-1,3,4-thiadiazol-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[2-(morpholin-4-yl)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(2-ethylbutyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[2-(propan-2-yloxy)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[(1-methylpiperidin-3-yl)methyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(oxan-4-ylmethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyrrolidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1,2,3,4-tetrahydroisoquinolin-2-yl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyrrolidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(piperidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(piperidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)piperidine-4-carbonitrile;

1-{4-[benzyl(methyl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-phenylpiperidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(2-methoxyethyl)(methyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(2-methoxyethyl)(methyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)piperidin-4-yl]acetamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(dimethylamino)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1,2,3,4-tetrahydroisoquinolin-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-acetylpiperazin-1-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(pyridazin-3-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(2,4-dichlorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyridin-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1H-indazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{8-oxa-2-azaspiro[4.5]decan-2-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{8-oxa-2-azaspiro[4.5]decan-2-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1-cyclopropylpiperidine-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{3-phenylbicyclo[1.1.1]pentane-1-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[(4aR,8aS)-decahydroisoquinolin-2-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{pyrazolo[1,5-a]pyridine-3-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[5-(difluoromethoxy)pyridine-2-carbonyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{6-aminospiro[3.3]heptane-2-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{2H,3H-pyrazolo[3,2-b][1,3]oxazole-6-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3S)-piperidine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3S)-pyrrolidine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3R)-piperidine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3R)-pyrrolidine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1,2,3,4-tetrahydroquinolin-1-yl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(phenylamino)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(phenylamino)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(pyridin-4-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(pyridin-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[4-(morpholin-4-yl)phenyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[1-(pyridin-3-ylmethyl)-1H-pyrazol-3-yl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[1-(pyridin-2-ylmethyl)-1H-pyrazol-3-yl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(2,1,3-benzoxadiazol-4-yl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(5-cyclopropyl-1,3,4-thiadiazol-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(3-phenyl-1,2,4-thiadiazol-5-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-{methyl[(2-methylphenyl)methyl]amino}benzoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(1,3-thiazol-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(5-methyl-1,2-oxazol-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(4-tert-butyl-1,3-thiazol-2-yl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(1,3-benzothiazol-6-yl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(5-tert-butyl-1H-pyrazol-3-yl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[1-(4-fluorophenyl)-1H-pyrazol-3-yl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(pyridin-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[4-(morpholin-4-yl)phenyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(1H-pyrazol-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(6-methoxypyridin-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(thiomorpholin-4-yl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(2-methoxypyridin-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(5-methyl-1,3,4-thiadiazol-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[3-(morpholin-4-yl)phenyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[2-(morpholin-4-yl)phenyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

6-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)amino]pyridine-3-carbonitrile;

4-({1-[4-(cyanomethoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-4-({1-[4-(2-methoxyethoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-N,N-dimethylpiperidine-1-carboxamide;

1-{3-[(1,3-benzothiazol-6-yl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(5-tert-butyl-1H-pyrazol-3-yl)amino]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[1-(4-fluorophenyl)-1H-pyrazol-3-yl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1-phenoxyethyl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(2-hydroxyethyl)piperazin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[5-(cyclopentylamino)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(4-oxo-1-{5-[(2-phenylethyl)amino]pyridin-3-yl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-{[1-(5-{[2-(morpholin-4-yl)ethyl]amino}pyridin-3-yl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({1-[5-(morpholin-4-yl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-({1-[5-(4-cyanopiperidin-1-yl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(1-{5-[4-(morpholin-4-yl)piperidin-1-yl]pyridin-3-yl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

4-({1-[5-(1,1-dioxo-1¿6,4-thiomorpholin-4-yl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-{[1-(5-{8-oxa-2-azaspiro[4.5]decan-2-yl}pyridin-3-yl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[5-(piperazin-1-yl)pyridin-3-yl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

5-[(1-{4-[1-(4-fluorophenoxy)ethyl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[5-(3-fluorophenyl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-({1-[5-(4-fluorophenyl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-[(1-{5-[4-(dimethylcarbamoyl)phenyl]pyridin-3-yl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(4-oxo-1-{5-[4-(pyrrolidine-1-carbonyl)phenyl]pyridin-3-yl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

4-({1-[5-(3,4-dimethoxyphenyl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[5-(pyridin-3-yl)pyridin-3-yl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[3-(morpholin-4-yl)phenyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

6-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)amino]pyridine-3-carbonitrile;

5-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)amino]pyridine-2-carbonitrile;

6-({4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}methoxy)pyridine-2-carbonitrile;

4-[(1-{5-[3-(dimethylcarbamoyl)phenyl]pyridin-3-yl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(1-{5-[3-(methylcarbamoyl)phenyl]pyridin-3-yl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

4-hydroxy-4-{[1-(5-{3-[(2-hydroxyethyl)carbamoyl]phenyl}pyridin-3-yl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({1-[5-(1-methyl-1H-indazol-5-yl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

1-[4-(benzyloxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(benzyloxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[4-(cyclopentyloxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

1-[4-(cyclopentyloxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(cyclopentyloxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[4-(cyclopropylmethoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

6-({4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}methoxy)pyrazine-2-carbonitrile;

1-[4-(cyclopropylmethoxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(cyclopropylmethoxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[4-fluoro-3-(1-methyl-1H-pyrazol-4-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-4-[(1-{4-[2-(1H-imidazol-1-yl)ethoxy]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-N,N-dimethylpiperidine-1-carboxamide;

4-({1-[4-(carbamoylmethoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-({1-[4-(cyclobutylmethoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({1-[4-(3-methylbutoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[4-(2,2,2-trifluoroethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(1-{4-[(1-methylpiperidin-2-yl)methoxy]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

4-[(1-{4-[(4-cyanophenyl)methoxy]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-({4-hydroxy-1-[4-(phenylamino)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(1-{4-[(3-cyanophenyl)methoxy]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[4-(pyridin-3-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[4-(pyridin-2-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({1-[4-(oxan-4-ylmethoxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(1-{4-[2-(morpholin-4-yl)-2-oxoethoxy]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[2-(1H-imidazol-1-yl)ethoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{3-[2-(1H-imidazol-1-yl)ethoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxy]acetamide;

2-[3-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxy]acetamide;

1-[4-(cyclobutylmethoxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[4-(dimethylamino)piperidin-1-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(cyclobutylmethoxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(3-methylbutoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(2,2-dimethylpropoxy)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(1-methylpiperidin-2-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{3-[(1-methylpiperidin-2-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxymethyl]benzonitrile;

4-[3-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxymethyl]benzonitrile;

1-{3-[(4-chlorophenyl)methoxy]phenyl}-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxymethyl]benzonitrile;

3-[3-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxymethyl]benzonitrile;

2-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxy]acetonitrile;

2-[3-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenoxy]acetonitrile;

4-hydroxy-N,N-dimethyl-4-[(1-{5-[4-(methylcarbamoyl)phenyl]pyridin-3-yl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(oxan-4-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(oxan-4-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[2-(morpholin-4-yl)-2-oxoethoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{3-[2-(morpholin-4-yl)-2-oxoethoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{3-[(2-phenyl-1,3-thiazol-4-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[6-(3-cyanophenyl)pyridin-3-yl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-phenylacetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(3-methyl-1,2-oxazol-5-yl)acetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methoxybenzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-fluorobenzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methoxybenzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyridine-4-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methyl-1,3-thiazole-4-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(oxan-4-yl)acetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methoxyacetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)cyclopropanecarboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methyl-1,3-thiazole-5-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(dimethylamino)acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-6-methylpyridine-3-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-5-fluoropyridine-2-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyridine-2-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methyl-1,2,3-thiadiazole-5-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(methylamino)benzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-(methylamino)benzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methoxypyridine-3-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methyl-1,3-thiazole-5-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(dimethylamino)acetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-6-methylpyridine-3-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-5-fluoropyridine-2-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(1,1-dioxo-1¿6,4-thiomorpholin-4-yl)acetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(morpholin-4-yl)acetamide;

(2S)-N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-methylpyrrolidine-2-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-methylpiperidine-2-carboxamide;

5-({4-hydroxy-1-[(3R)-3-methoxy-3-phenylpropanoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)oxane-4-carboxamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(1H-pyrazol-1-yl)acetamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3,3-difluorocyclobutane-1-carboxamide;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(2-methoxyethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(2-methoxyethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(pyridin-3-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(pyridin-4-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(pyridin-2-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(pyridin-2-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(3-methyl-1,2-oxazol-5-yl)acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methoxybenzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-fluorobenzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methoxybenzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyridine-4-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methyl-1,3-thiazole-4-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(oxan-4-yl)acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methoxyacetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)cyclopropanecarboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methylbenzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methoxybenzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-fluorobenzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyridine-3-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-5-methylpyrazine-2-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyridine-2-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(methylamino)benzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-(methylamino)benzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methoxypyridine-3-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[1-(pyridin-3-ylmethyl)-1H-pyrazol-3-yl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[1-(pyridin-2-ylmethyl)-1H-pyrazol-3-yl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(1,3-thiazol-2-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1-benzyl-1,2,3,4-tetrahydroquinoline-6-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(5-methyl-1,2-oxazol-3-yl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(1,1-dioxo-1¿6,4-thiomorpholin-4-yl)acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(morpholin-4-yl)acetamide;

(2S)-N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-methylpyrrolidine-2-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-methylpiperidine-2-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)oxane-4-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-(1H-pyrazol-1-yl)acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3,3-difluorocyclobutane-1-carboxamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-[methyl(phenyl)amino]acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methyl-2-(morpholin-4-yl)propanamide;

5-{[(3S,4R)-1-benzoyl-4-hydroxy-3-methoxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-5-methyl-1,2-oxazole-4-sulfonamide;

4-chloro-N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzene-1-sulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(oxan-4-ylmethyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methylbenzene-1-sulfonamide;

2-chloro-N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzene-1-sulfonamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methoxybenzene-1-sulfonamide;

3-chloro-N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzene-1-sulfonamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-fluorobenzene-1-sulfonamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methylbenzene-1-sulfonamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-[methyl(phenyl)amino]acetamide;

5-({4-hydroxy-1-[(3R)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methyl-2-(morpholin-4-yl)propanamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)acetamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-phenylacetamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(oxetan-3-yl)benzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-phenylbenzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(pyridin-3-yl)benzamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methanesulfonamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)cyclopropanesulfonamide;

N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)oxane-4-sulfonamide;

5-({4-hydroxy-1-[(3S)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzenesulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3,5-dimethyl-1,2-oxazole-4-sulfonamide;

4-chloro-N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzene-1-sulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methoxybenzene-1-sulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-4-methylbenzene-1-sulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-2-methylbenzene-1-sulfonamide;

2-chloro-N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzene-1-sulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methoxybenzene-1-sulfonamide;

3-chloro-N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzene-1-sulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-fluorobenzene-1-sulfonamide;

5-({4-hydroxy-1-[(3R)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methylbenzene-1-sulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methanesulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)cyclopropanesulfonamide;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-(4-fluorophenyl)methanesulfonamide;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(3S)-3-hydroxypyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-cyclopentyl-1-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

5-{[1-(2-amino-4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-phenylurea;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-phenylurea;

5-({4-hydroxy-1-[(3R)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-(4-fluorophenyl)urea;

1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-(4-methylphenyl)urea;

1-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-(3-methoxypropyl)urea;

1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-(3-methoxypropyl)urea;

1-[4-(4-fluoropiperidin-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-cyclopropylurea;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-(pyridin-3-yl)urea;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-(pyridin-3-yl)urea;

1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-(thiophen-3-yl)urea;

5-({4-hydroxy-1-[(3S)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-hydroxypiperidine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-hydroxyazetidine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-methylbenzamide;

N-benzyl-3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}benzamide;

N-cyclobutyl-3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}benzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-[(4-fluorophenyl)methyl]benzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-[2-(dimethylamino)ethyl]benzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-[(3-methyloxetan-3-yl)methyl]benzamide;

4-({1-[4-fluoro-3-(3-fluoroazetidin-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-({1-[4-fluoro-3-(3-hydroxyazetidin-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1-methyl-1H-indazole-6-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[4-(4,4-difluoropiperidin-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-{[4-oxo-1-(4-{[2-(propan-2-yloxy)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(4-fluorophenyl)benzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(1,3-thiazol-2-yl)benzamide;

3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(5-methyl-1,2-oxazol-3-yl)benzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyrrolidine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(morpholine-4-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(dimethylamino)piperidine-1-carbonyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-methylpiperazine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4,4-difluoro-3-phenylbutanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-fluoroazetidine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{imidazo[1,2-a]pyrazine-2-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1H-indole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1H-indole-2-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4,4,4-trifluorobutanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1H-1,2,3-benzotriazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1H-indole-6-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1,3-benzothiazole-6-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-tert-butyl-4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxamide;

3-cyclopentyl-1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

1-cyclohexyl-3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

1-cyclohexyl-3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

1-benzyl-3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

1-benzyl-3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-methylbenzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-[(4-fluorophenyl)methyl]benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-[2-(dimethylamino)ethyl]benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-[(3-methyloxetan-3-yl)methyl]benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(oxetan-3-yl)benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-phenylbenzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(pyridin-3-yl)benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(4-fluorophenyl)benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(1,3-thiazol-2-yl)benzamide;

4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-N-(5-methyl-1,2-oxazol-3-yl)benzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(morpholine-4-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(dimethylamino)piperidine-1-carbonyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(4-methylpiperazine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,3-difluoropyrrolidine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)pyrrolidine-1-carboxamide;

5-{[1-(1-benzyl-1H-pyrrole-2-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-(oxan-4-yl)urea;

1-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3,3-dimethylurea;

propan-2-yl N-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)carbamate;

4-[(1-{4-[(8aS)-octahydropyrrolo[1,2-a]piperazin-2-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-4-({1-[4-(4-hydroxy-4-methylpiperidin-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-N,N-dimethylpiperidine-1-carboxamide;

5-{[1-(2,3-dihydro-1,4-benzodioxine-6-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(5-methoxy-1-methyl-1H-pyrazole-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-dihydro-2H-1-benzopyran-6-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(1-methylcyclobutyl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-4-[(1-{4-[(3S)-3-methoxypyrrolidin-1-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-N,N-dimethylpiperidine-1-carboxamide;

5-{[1-(4-fluoro-3-phenylbutanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(pyridin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4,4,4-trifluorobutanoyl)piperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1,2,3-thiadiazole-4-carbonyl)piperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{5H,6H,7H-pyrazolo[3,2-b][1,3]oxazine-2-carbonyl}piperidin-4-yl)methyl]-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{2H,3H-pyrazolo[3,2-b][1,3]oxazole-6-carbonyl}piperidin-4-yl)methyl]-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(5-methyl-1,2,3-thiadiazole-4-carbonyl)piperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(pyridin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-cyclopropyl-5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(4,4,4-trifluorobutanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(1,2,3-thiadiazole-4-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(3-fluoro-4-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(1-{4-[(9aS)-octahydro-1H-pyrido[1,2-a]piperazin-2-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-[(4-oxo-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{2H,3H-pyrazolo[3,2-b][1,3]oxazole-6-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(pyrimidin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(5-methyl-1,2,3-thiadiazole-4-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1,2,3-thiadiazole-4-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-4-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4,4,4-trifluoro-3-methylbutanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4,4-difluorobutanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-[4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)phenyl]-1-6,2-thiazolidine-1,1-dione;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(1H-1,2,3-triazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(4-hydroxypiperidin-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[2-(difluoromethoxy)acetyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[4-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({1-[4-(4-methyl-1H-pyrazol-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

5-[(1-acetyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-methyl-1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(1-{4-[(9aR)-octahydro-1H-pyrido[1,2-a]piperazin-2-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N,N-dimethyl-4-{[4-oxo-1-(4-{[2-(piperidin-1-yl)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

4-[(1-{4-[(3,3-dimethylcyclobutyl)amino]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4,4,4-trifluoro-3-hydroxy-3-methylbutanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(1-{4-[(8aR)-octahydropyrrolo[1,2-a]piperazin-2-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-{[4-hydroxy-1-(pyridine-4-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N,N-dimethyl-4-[(4-oxo-1-{4-[4-(1H-pyrazol-1-yl)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

5-[(1-acetyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methyl-1H-imidazole-4-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methoxybenzoyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(pyridine-4-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[2-(oxan-4-yl)acetyl]piperidin-4-yl}methyl)-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(pyridin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-ethoxypropanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclobutanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(pyridine-3-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-cyclopropylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1,5-dimethyl-1H-pyrazole-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(4-fluoropiperidin-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-aminobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(5-methyl-1,2-oxazole-3-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-indole-6-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylpiperidine-4-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(oxane-4-carbonyl)piperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4,4-difluorocyclohexanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,3-difluorocyclobutanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{5H,6H,7H-pyrazolo[3,2-b][1,3]oxazine-2-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methoxybenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[3-(oxan-4-yl)azetidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{5H,6H,7H-pyrazolo[3,2-b][1,3]oxazine-2-carbonyl}piperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{imidazo[1,5-a]pyridine-6-carbonyl}piperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{2H,3H-pyrazolo[3,2-b][1,3]oxazole-6-carbonyl}piperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(pyrimidin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]-3,3-dimethylurea;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[5-(trifluoromethyl)pyridin-2-yl]oxy}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[4-(trifluoromethyl)pyrimidin-2-yl]oxy}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(1H-pyrazol-1-yl)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(1H-1,2,3-triazol-1-yl)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N,N-dimethyl-4-[(4-oxo-1-{4-[4-(1H-1,2,3-triazol-1-yl)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]piperidine-1-carboxamide;

1-{4-[(9aR)-octahydro-1H-pyrido[1,2-a]piperazin-2-yl]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(1H-1,2,3-triazol-1-yl)piperidine-1-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(4-chloro-1H-pyrazol-1-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-chloro-1H-pyrazol-1-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(oxetan-3-yloxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(3-hydroxybenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(oxan-4-ylmethoxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-acetyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(1H-indole-6-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[3-(1H-1,2,3,4-tetrazol-1-yl)propanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(oxane-4-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{pyrazolo[1,5-a]pyridine-2-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(4,4-difluorocyclohexanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(3-methyloxetane-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(3,3-difluorocyclobutanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-1,2-dihydropyridin-2-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(3-hydroxy-3-methylbutanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(4-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-ethoxypropanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclobutanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(pyridine-3-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1,5-dimethyl-1H-pyrazole-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(dimethyl-1,3-thiazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-aminobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-indole-6-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-indazole-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(oxane-4-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,3-difluorocyclobutanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[1-(oxan-4-yl)-1H-pyrazol-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[1-(oxetan-3-yl)-1H-pyrazol-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[1-(1-hydroxy-2-methylpropan-2-yl)-1H-pyrazol-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[1-(2-hydroxy-2-methylpropyl)-1H-pyrazol-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{7-azaspiro[3.5]nonan-7-yl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{3-azaspiro[5.5]undecan-3-yl}phenyl)-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-aminobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{3-azaspiro[5.5]undecan-3-yl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{9-methyl-3,9-diazaspiro[5.5]undecan-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{9-methyl-3,9-diazaspiro[5.5]undecan-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(4-methyl-1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-acetyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-chlorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(1H-pyrazole-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(5-cyclopropyl-1H-pyrazole-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(3-methyl-1,2-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{imidazo[1,2-a]pyridine-6-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(1-cyclobutanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(5-methyl-1,2-oxazole-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(5-methyl-1H-pyrazole-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(1,3-dimethyl-1H-pyrazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[3-(morpholin-4-yl)azetidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{3-[3-(morpholin-4-yl)azetidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

rel-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[(3R,5S)-3,4,5-trimethylpiperazin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(3S)-3,4-dimethylpiperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}methanesulfonamide;

1-{4-[(3R)-3,4-dimethylpiperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[4-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[4-(oxetan-3-yl)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(4-{6-oxa-3-azabicyclo[3.1.1]heptan-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(3-{8-methyl-3,8-diazabicyclo[3.2.1]octan-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[3-(3,4,5-trimethylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(3S)-3,4-dimethylpiperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(6-methoxypyridine-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[1-(6-fluoropyridine-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{imidazo[1,5-a]pyridine-6-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(4-hydroxypiperidin-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(4,4,4-trifluoro-3-hydroxy-3-methylbutanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-chlorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4H,5H,6H,7H-pyrazolo[1,5-a]pyrimidin-4-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{4H,5H,6H,7H-pyrazolo[1,5-a]pyrimidin-4-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(3S)-3-hydroxypyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-(propan-2-yl)urea;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-hydroxy-3-methylpyrrolidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(hydroxymethyl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(5-methoxypyridine-2-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(6-methoxypyridine-3-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(6-fluoropyridine-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{5H,6H,7H-pyrazolo[3,2-b][1,3]oxazine-2-carbonyl}piperidin-4-yl)methyl]-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{imidazo[1,5-a]pyridine-6-carbonyl}piperidin-4-yl)methyl]-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1H-1,2,3-triazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[3-(4-chloro-1H-pyrazol-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(oxan-4-yloxy)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(trifluoromethyl)-5H,6H,7H,8H-[1,2,4]triazolo[4,3-a]pyrimidin-8-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-hydroxybenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(pyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(pyrimidin-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(1-methyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4H,6H,7H-pyrazolo[3,2-c][1,4]oxazin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[3-(2-hydroxypropan-2-yl)azetidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(4,4-difluoropiperidin-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{3-[3-(2-hydroxypropan-2-yl)azetidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[4-(3-hydroxyazetidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[3-(3-hydroxyazetidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(3-fluoroazetidin-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-pyrazole-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(3-fluoroazetidin-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{3-methyl-3,8-diazabicyclo[3.2.1]octan-8-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-{1,4-diazabicyclo[3.2.2]nonan-4-yl}benzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[(9aS)-octahydro-1H-pyrrolo[1,2-a][1,4]diazepin-2-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[4-(hydroxymethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-chloro-1H-pyrazol-1-yl)phenyl]-5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-{4-[4-(hydroxymethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(3R)-3,4-dimethylpiperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-indazole-6-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[3-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{3-[4-(oxetan-3-yl)piperidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(3-{6-oxa-3-azabicyclo[3.1.1]heptan-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[3-(difluoromethyl)-4-methylpiperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[3-(difluoromethyl)-4-methylpiperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

rel-3-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-7-methyl-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

rel-3-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-7-methyl-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

rel-5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

rel-5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[4-(2,2-difluoroethyl)piperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-aminobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(2R)-2-benzyl-3-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidin-1-yl]-3-oxopropyl]ethene-1-sulfonamide;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{3-[4-(oxetan-3-yl)piperazin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[4-(oxetan-3-yl)piperazin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(1S,4S)-5-acetyl-2,5-diazabicyclo[2.2.1]heptan-2-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-N-[(4-fluorophenyl)methyl]-4-hydroxypiperidine-1-carboxamide;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-phenylpiperidine-1-carboxamide;

N-(4-fluorophenyl)-4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxamide;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-(3-methoxypropyl)piperidine-1-carboxamide;

N-cyclopropyl-4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxamide;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-(pyridin-3-yl)piperidine-1-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-hydroxyazetidine-1-carbonyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,3r)-3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]cyclobutyl]ethene-1-sulfonamide;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[4-(3-methyl-1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(3-methyloxetane-3-carbonyl)piperidin-4-yl]methyl}-1-[4-(3-methyl-1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[4-(2,2-difluoroethyl)piperazin-1-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(3-methyloxetane-3-carbonyl)piperidin-4-yl]methyl}-1-[4-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(4-{3-oxa-9-azaspiro[5.5]undecan-9-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(4-{1-oxa-8-azaspiro[4.5]decan-8-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-(4-{2-oxa-7-azaspiro[3.5]nonan-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1-{4-[4-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{2,2-difluoro-7-azaspiro[3.5]nonan-7-yl}phenyl)-5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1-{4-[1-(oxan-4-yl)-1H-pyrazol-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]benzamide;

1-[4-(1-cyclopropyl-1H-pyrazol-4-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[1-(difluoromethyl)-1H-pyrazol-4-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{4-[1-(oxan-4-yl)-1H-pyrazol-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(1-cyclopropyl-1H-pyrazol-4-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{1-methyl-octahydro-1H-pyrrolo[3,4-b]pyridin-6-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(4-methylpyridin-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(5-methylpyridin-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1,2,3,4-tetrahydro-1,5-naphthyridin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4,4-difluoropiperidin-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(1,2,3,4-tetrahydro-1,6-naphthyridin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}ethene-1-sulfonamide;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(1,2,3,4-tetrahydro-1,5-naphthyridin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{3-[3-(oxan-4-yl)azetidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-chloro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[4-(hydroxymethyl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[(8aS)-octahydropyrrolo[1,2-a]piperazin-2-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{pyrazolo[1,5-a]pyridin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[5-(trifluoromethyl)pyridin-3-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(1,2-benzoxazol-4-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{2-hydroxy-7-azaspiro[3.5]nonan-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[2-(hydroxymethyl)-7-azaspiro[3.5]nonan-7-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[2-(hydroxymethyl)-7-azaspiro[3.5]nonan-7-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{2,2-difluoro-7-azaspiro[3.5]nonan-7-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[1-(difluoromethyl)-1H-pyrazol-4-yl]phenyl}-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{4-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]-1H-pyrazol-1-yl}-1¿6-thiane-1,1-dione;

3-{4-[4-(5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]-1H-pyrazol-1-yl}-1¿6-thietane-1,1-dione;

1-[4-(1-cyclopropyl-1H-pyrazol-4-yl)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(1S,4S)-5-acetyl-2,5-diazabicyclo[2.2.1]heptan-2-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(1R,4R)-5-acetyl-2,5-diazabicyclo[2.2.1]heptan-2-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(1R,4R)-5-acetyl-2,5-diazabicyclo[2.2.1]heptan-2-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-{3-[4-(2-methoxyethyl)piperazin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]piperidine-4-carbonitrile;

1-[4-(5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]piperidine-4-carbonitrile;

5-({1-[4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one

1-[4-(3-fluoro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{6-azaspiro[2.5]octan-6-yl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(3-methyloxetan-3-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-[2-(dimethylamino)ethoxy]ethyl 4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxylate;

2-(1H-imidazol-1-yl)ethyl 4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxylate;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-methylpiperidin-4-yl 4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxylate;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-methyl-1,2-benzoxazol-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1-methyl-1H-indazol-6-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-methyl-1H-indazol-7-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(1,2-benzoxazol-5-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{5H,6H,7H,8H-[1,2,4]triazolo[4,3-a]pyridin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{1H-pyrrolo[3,2-b]pyridin-5-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[2-(trifluoromethyl)pyrimidin-4-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

(S)-3-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-fluorophenyl)-6-methyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

(R)-3-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-fluorophenyl)-6-methyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

7-(4-fluorophenyl)-3-((4-hydroxy-1-((1r,4r)-4-((1-methyl-1H-pyrazol-3-yl)oxy)cyclohexane-1-carbonyl)piperidin-4-yl)methyl)-6-methyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

7-(4-fluorophenyl)-3-((4-hydroxy-1-((1s,4s)-4-((1-methyl-1H-pyrazol-3-yl)oxy)cyclohexane-1-carbonyl)piperidin-4-yl)methyl)-6-methyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

(S)-3-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-morpholinophenyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

(S)-3-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-morpholinophenyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

(R)-3-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(4-morpholinophenyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

(R)-3-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-morpholinophenyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one;

1-(4-((3,3-difluoro-1-methylcyclobutyl)methoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

(S)-N-(2-benzyl-3-(4-hydroxy-4-((4-oxo-1-phenyl-1,4-dihydro-5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl)piperidin-1-yl)-3-oxopropyl)ethenesulfonamide;

1-(4-(1-(difluoromethyl)-1H-pyrazol-4-yl)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-(3,3-difluorocyclobutoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrrol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrrol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]benzamide;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(2-hydroxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(methoxymethyl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}acetamide;

4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-N-methylbenzene-1-sulfonamide;

4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]-N-methylbenzamide;

5-[(1-cyclohexanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-hydroxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(pyridine-4-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4,4,4-trifluorobutanoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-ethoxypropanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclobutanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopentanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,2-dimethylpropanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,5-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(3-methylbenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methylbenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-fluoro-4-phenylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[3-(aminomethyl)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-4-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,5-dimethoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-fluoro-3-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-4-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chloro-3-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-4-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methylbenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-chloro-2-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chloro-2-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-{5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}benzoic acid;

5-{[1-(2,3-dimethoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-dimethoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dimethoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(pyridine-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chloro-3-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(5-methylpyrazine-2-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(pyridine-2-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1,5-dimethyl-1H-pyrazole-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(cyclopropylamino)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(dimethyl-1,3-thiazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1,2,3-thiadiazole-4-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-5-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-3-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(5-methyl-1,2-oxazole-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(5-methyl-1H-pyrazole-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methyl-1,3-thiazole-5-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(6-methylpyridine-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[2-(trifluoromethyl)pyrimidine-5-carbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-fluoropyridine-2-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-ethyl-1,3-oxazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-4-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-2-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-fluoro-2-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(dimethyl-1,2-oxazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-indole-4-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4,4-dimethylpentanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(oxane-4-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-tert-butylphenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methyl-1H-pyrrole-2-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,3-difluorocyclobutanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-phenyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,3r)-3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]cyclobutyl]prop-2-ynamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(2,4,6-trimethylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(2,4-dichlorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-methoxybenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(propan-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]benzoic acid;

5-({4-hydroxy-1-[4-(trifluoromethoxy)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[1-(trifluoromethyl)cyclopropanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(hydroxymethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chloroquinoline-7-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-cyclopropoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-methylpiperidine-1-carboxamide;

5-{[1-(2-chloropyridine-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-dichloropyridine-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{bicyclo[1.1.1]pentane-1-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-cyclohexyl-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(trifluoromethyl)bicyclo[1.1.1]pentane-1-carbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1,1,1-trifluoro-2-hydroxypropan-2-yl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-cyano-N-[(1r,3r)-3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]cyclobutyl]acetamide;

5-({1-[4-(1,1-difluoroethyl)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(4-methylphenoxy)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(pyridin-3-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

(R)-5-((1-(2-benzylazetidine-1-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1–(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

(S)-5-((1-(2-benzylazetidine-1-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1–(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-((1-(2-benzylazetidine-1-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1–(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-cyclopropylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-1-methyl-1H-pyrazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-methylbenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-4-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-methanesulfonylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-4-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(dimethyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[2-(dimethylamino)-1,3-oxazole-5-carbonyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(pyridin-4-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3,4-dichlorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(pyrrolidine-1-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,4-dimethoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(2,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,5-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-phenylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(2-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(3-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-methanesulfonylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(pyrrolidine-1-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,4-dimethoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(2,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,5-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[2-methyl-4-(1H-pyrazol-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(dimethyl-1,2-oxazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyrimidin-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1-methyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[2-(morpholin-4-yl)ethoxy]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[2-(dimethylamino)ethoxy]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[2-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)phenyl]methanesulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(2-methanesulfonylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-hydroxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(5-fluoropyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(dimethyl-1,2-oxazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyrimidin-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1-methyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-methylbenzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[5-hydroxy-2-(trifluoromethoxy)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[2-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)phenyl]methanesulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(2-methanesulfonylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-hydroxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[6-(dimethylamino)pyridin-3-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(5-fluoropyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(morpholine-4-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,5-dimethyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[5-fluoro-2-(hydroxymethyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-fluoro-5-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzene-1-sulfonamide;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-(2-hydroxyethyl)benzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1-methyl-1H-indazol-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(cyclopropylmethoxy)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(pyrrolidin-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N-methyl-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-N-(4-phenylphenyl)piperidine-1-carboxamide;

N-[(1r,3r)-3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]cyclobutyl]ethane-1-sulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[2-(dimethylamino)pyrimidin-5-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[2-(morpholin-4-yl)pyrimidin-5-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(5-chloropyridin-3-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(morpholine-4-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[5-fluoro-2-(hydroxymethyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-fluoro-5-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzene-1-sulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1H-indol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-methylbenzamide;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-(2-hydroxyethyl)benzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1-methyl-1H-indazol-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(cyclopropylmethoxy)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(pyrrolidin-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(morpholin-4-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{[cyclohexyl(ethyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(morpholin-4-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(pyridine-4-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[6-(morpholin-4-yl)pyridine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[6-(2,2,2-trifluoroethoxy)pyridine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(pyridine-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[6-(trifluoromethyl)pyridine-3-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[3-(trifluoromethyl)bicyclo[1.1.1]pentane-1-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N-methyl-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

5-{[(3S,4S)-1-benzoyl-3-fluoro-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-({[2-(dimethylamino)ethyl](methyl)amino}methyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{1-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-4-yl}acetamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyrrolidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(piperidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidine-4-carbonitrile;

1-(4-{[benzyl(methyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[(2-methoxyethyl)(methyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[4-(dimethylamino)piperidin-1-yl]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[methyl(2-methylpropyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1,2,3,4-tetrahydroisoquinolin-2-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(4-acetylpiperazin-1-yl)methyl]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]-1λ^6,4-thiomorpholine-1,1-dione;

5-[(1R)-1-[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]ethyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-({[(6-ethylpyridin-3-yl)methyl](methyl)amino}methyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-{1-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-3-yl}acetonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[cyclopropyl(oxan-4-yl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{8-oxa-2-azaspiro[4.5]decan-2-ylmethyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyrrolidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(piperidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidine-4-carbonitrile;

1-(3-{[benzyl(methyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-({[2-(dimethylamino)ethyl](methyl)amino}methyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[(2-methoxyethyl)(methyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-(2-{4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}phenyl)ethene-1-sulfonamide;

N-{1-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-4-yl}acetamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[4-(dimethylamino)piperidin-1-yl]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[methyl(2-methylpropyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1,2,3,4-tetrahydroisoquinolin-2-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(4-acetylpiperazin-1-yl)methyl]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]-1λ^6,4-thiomorpholine-1,1-dione;

2-{1-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-3-yl}acetonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{8-oxa-2-azaspiro[4.5]decan-2-ylmethyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[2-(oxan-4-yl)acetyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(2-methoxyacetyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(2R)-1-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidin-1-yl]-1-oxo-3-phenylpropan-2-yl]ethene-1-sulfonamide;

3-[1-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidin-1-yl)-1-oxopropan-2-yl]-1,3-oxazolidin-2-one;

5-{[1-(4,4-difluorocyclohexanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropylacetyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(6-methoxypyridine-3-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[1-(6-fluoropyridine-3-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1-hydroxycyclopropyl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(1-hydroxycyclopropyl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[(3R,4S)-1-benzoyl-3-fluoro-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-1H-pyrazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N-methyl-4-{[4-oxo-1-(6-phenylpyridin-3-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

1-[3-(Cyclopentylamino)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(morpholin-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-Fluorophenyl)-5-[(4-hydroxy-1-{8-oxabicyclo[3.2.1]octane-3-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-({1-[4-(Benzyloxy)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-((1-(4',6-Difluoro-[1,1'-biphenyl]-3-yl)-4-oxo-1,4-dihydro-5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

N-(3-(5-((1-(Cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-4-oxo-4,5-dihydro-1H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl)acetamide;

N-(3-(5-((1-(Cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-4-oxo-4,5-dihydro-1H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl)-3,5-dimethylisoxazole-4-sulfonamide;

1-(3-(5-((1-(Cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-4-oxo-4,5-dihydro-1H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl)-3-isopropylurea;

5-((1-(Cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(3-(3,3-difluoropyrrolidine-1-carbonyl)phenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

3-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-7-(4-fluorophenyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

1-(4-Fluorophenyl)-5-((4-hydroxy-1-(1H-pyrrolo[3,2-c]pyridine-2-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(4-Fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-(propan-2-yl)piperidine-1-carboxamide;

N-(3,3-Dimethylcyclobutyl)-4-((1-(4-fluorophenyl)-4-oxo-1,4-dihydro-5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl)-4-hydroxypiperidine-1-carboxamide;

1-(4-Chlorophenyl)-5-{[4-hydroxy-1-(1H-indole-2-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

(R)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(octahydro-2H-pyrido[1,2-a]pyrazin-2-yl)phenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{imidazo[1,2-a]pyridin-8-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(Pyrrolidin-1-yl)propyl 4-((1-(4-fluorophenyl)-4-oxo-1,4-dihydro-5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl)-4-hydroxypiperidine-1-carboxylate;

5-[(1-{4-[(8aR)-octahydropyrrolo[1,2-a]piperazin-2-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-Hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-[4-(4-methyl-1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[1-(Difluoromethyl)-1H-pyrazol-4-yl]phenyl}-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-7-(4-fluorophenyl)-6-methyl-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

1-(4-{2,2-Difluoro-7-azaspiro[3.5]nonan-7-yl}phenyl)-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(5-Chloropyridin-2-yl)oxy]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3,3-dimethylurea;

Propan-2-yl N-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)carbamate;

3-(4-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-1-(oxan-4-yl)urea;

1-(4-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-(oxetan-3-yl)urea;

4-({1-[4-(3,3-dimethylazetidin-1-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(piperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(piperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{[cyclohexyl(ethyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-Hydroxy-N,N-dimethyl-4-{[4-oxo-1-(4-phenoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

4-{[1-(4-Fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-(oxan-4-yl)piperidine-1-carboxamide;

(4-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

(3-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)urea;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(methylsulfamoyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(dimethylsulfamoyl)amino]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methylurea;

1-(3-{5-[(1-Cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-3-methylurea;

4-{[1-(4-{3,9-Diazaspiro[5.5]undecan-3-yl}phenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

1-(4-Fluorophenyl)-5-[(4-hydroxy-1-{4-[(3S)-3-hydroxypyrrolidin-1-yl]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

7-[3-(aminomethyl)phenyl]-3-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[3-(pyrrolidin-1-ylmethyl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[3-(difluoromethoxy)cyclobutanecarbonyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-3-{2H,4H,5H,6H-cyclopenta[c]pyrazol-2-yl}butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-7-(5-fluoropyridin-2-yl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

5-({1-[(3R)-3-{2H,4H,5H,6H-cyclopenta[c]pyrazol-2-yl}butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-3-{1H,4H,5H,6H-cyclopenta[c]pyrazol-1-yl}butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-3-{1H,4H,5H,6H-cyclopenta[c]pyrazol-1-yl}butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(3-{octahydrocyclopenta[c]pyrrol-2-yl}butanoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3S)-3-{octahydrocyclopenta[c]pyrrol-2-yl}butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3R)-3-{octahydrocyclopenta[c]pyrrol-2-yl}butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(1,1,1-trifluoro-2-hydroxypropan-2-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(2R)-1,1,1-trifluoro-2-hydroxypropan-2-yl]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(2S)-1,1,1-trifluoro-2-hydroxypropan-2-yl]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(pyrrolidin-1-ylmethyl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(morpholin-4-ylmethyl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{5H,6H,7H-pyrazolo[3,2-b][1,3]oxazine-2-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(1-methylpiperidin-4-yl)oxy]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[5-(piperidin-1-yl)-1,3,4-oxadiazole-2-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(1H-pyrazol-1-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[2-(piperidin-1-yl)-1,3-oxazole-5-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[3-fluoro-4-(4-methylpiperazin-1-yl)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(pyridin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(pyrimidin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{3-chloro-4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}-N,N-dimethylbenzamide;

5-{[1-(1-benzyl-1H-indole-2-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1-benzyl-1H-pyrazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[5-(pyridin-2-yloxy)pyridine-2-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(1H-pyrazol-1-yl)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(1H-pyrazol-1-yl)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{2-chloro-4-[4-(piperidine-1-carbonyl)phenyl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{2H,3H-pyrazolo[3,2-b][1,3]oxazol-7-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{5H,6H,7H-pyrazolo[3,2-b][1,3]oxazin-3-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{4H,5H,6H,7H-pyrazolo[1,5-a]pyrimidin-3-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{4-methyl-4H,5H,6H,7H-pyrazolo[1,5-a]pyrimidin-3-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-amino-4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[2-(morpholin-4-yl)-1,3-oxazole-5-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-cyclopropyl-1,3,4-oxadiazole-2-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-benzyl-1,3-oxazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(1-{1-[(4-fluorophenyl)methyl]-1H-pyrrole-2-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{1-[(2,6-difluorophenyl)methyl]-1H-pyrrole-2-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(1-{1-[(3-fluorophenyl)methyl]-1H-pyrrole-2-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(1-{1-[(2-fluorophenyl)methyl]-1H-pyrrole-2-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(1-methyl-1H-pyrazol-4-yl)oxy]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(5-methyl-1,2-oxazol-3-yl)oxy]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-fluorophenyl)phenyl]-5-{[4-hydroxy-1-(piperazine-1-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1s,3s)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclobutyl]prop-2-enamide;

N-[(1S,3R)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclopentyl]prop-2-enamide;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1R,3S)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclopentyl]prop-2-enamide;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(2R)-1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,4r)-4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclohexyl]prop-2-enamide;

N-[(1s,4s)-4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclohexyl]prop-2-enamide;

N-[(1s,3s)-3-[2-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidin-1-yl)-2-oxoethyl]cyclobutyl]prop-2-ynamide;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(2S)-2-methyl-1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-benzyl-5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(2R)-2-methyl-1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,3r)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclobutyl]acetamide;

5-((1-(3-(aminomethyl)benzoyl)-4-hydroxypiperidin-4-yl) methyl)-1- (4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-((1-(4-(1-(aminomethyl)cyclopropyl)benzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one hydrochloride;

N-((1-(4-(4-((1-(4-fluorophenyl)-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-5 (4H)-yl)methyl)-4-hydroxypiperidine-1-carbonyl)phenyl)cyclopropyl)methyl)acetamide;

N-methyl-N-[(1r,3r)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclobutyl]prop-2-ynamide;

1-tert-butyl-5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-tert-butyl-5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-methyl-N-[(1s,3s)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclobutyl]prop-2-ynamide;

1-(4-fluorophenyl)-5-((4-hydroxy-1-(3-((3-hydroxy-3-methyl- pyrrolidin-1-yl)methyl)benzoyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{3-[1-(pyrrolidin-1-yl)ethyl]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(5-benzyl-1H-pyrazol-4-yl)carbonyl]-4-hydroxypiperidin-4-yl] methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{5-methyl-2,5-diazabicyclo[2.2.1]heptan-2-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-((4-hydroxy-1-(4-(1-methylpiperidin-4-yl) benzoyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-[[4-(4-methylpiperazin-1-yl) phenyl]carbonyl]piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-{octahydro-1H-pyrido[1,2-a]piperazin-2-yl}benzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[(9aR)-octahydro-1H-pyrido[1,2-a]piperazin-2-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-{4-[(9aS)-octahydro-1H-pyrido[1,2-a]piperazin-2-yl]benzoyl}-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(propan-2-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-[[4-(pyridin-2-yloxy)piperidin-1 -yl]carbonyl]piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(4-(5,6-dihydropyrrolo[3,4-c]pyrazol-1 (4H)-yl)benzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[4-(hydroxymethyl)-1H-pyrazol-1-yl]benzoyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(4-(4-(aminomethyl)-1H-pyrazol-1-yl)benzoyl)-4- hydroxypiperidin-4-yl)methyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

1-(4-fluorophenyl)-5-(1-[4-hydroxy-1-[(4-methoxyphenyl)carbonyl] piperidin-4-yl]ethyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-(1-[4-hydroxy-1-[(4-methoxyphenyl)carbonyl] piperidin-4-yl]ethyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-(1-(1-(3-(aminomethyl)benzoyl)-4-hydroxypiperidin-4-yl)ethyl)-1- (4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one hydrochloride;

5-[(4-hydroxypiperidin-4-yl)methyl]-1-(4-methoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-Hydroxy-4-[[1-(4-methoxyphenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl]-N,N-dimethylpiperidine-1-carboxamide;

4-Hydroxy-4-[[1-(4-hydroxyphenyl)-4-oxo-1H,4H,5H-pyrazolo [3,4-d]pyrimidin-5-yl]methyl]-N,N-dimethylpiperidine-1-carboxamide;

5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1-(propan-2-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-methoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(3-methoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-hydroxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(3-hydroxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-(1-(1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)ethyl)-1- (4-methoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-{1-[4-hydroxy-1-(4-methoxybenzoyl)piperidin-4-yl]ethyl}-1-(4-methoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-bromo-4-fluorophenyl)-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluoro-3-methoxyphenyl)-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(6-fluoropyridin-3-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-cyclopropylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-3-methyl-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-bromophenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-bromo-4-chlorophenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluoro-3-hydroxyphenyl)-5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-fluoro-3-(3-methoxy-3-methylpyrrolidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-benzoyl-4-hydroxypiperidin-4-yl)methyl)-1-(4-fluoro-3-(4- methylpiperazin-1-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

1-(3-Amino-4-fluorophenyl)-5-([1-[(4-fluorophenyl)carbonyl]- 4-hydroxypiperidin-4-yl]methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-fluoro-3-(3-hydroxy-3-methylpyrrolidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-fluoro-3-[(3S)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-fluoro-3-[(3R)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-fluoro-3-(morpholin-4-yl)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-3-methyl-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluoro-3-(hydroxymethyl)phenyl)-5-((1-(4-fluorobenzoyl)-4- hydroxypiperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-fluoro-3-(hydroxymethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-fluoro-3-(hydroxymethyl)phenyl]-5-({4-hydroxy-1-[4-(pyridin-2-yloxy)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(Biphenyl-4-yl)-5-((4-hydroxy-1-(2-morpholinooxazole-5-carbonyl) piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-({1-[4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-fluorophenyl)phenyl]-5-({4-hydroxy-1-[3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-fluorophenyl)phenyl]-5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-fluorophenyl)phenyl]-5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-([1-[4-(4-fluorophenyl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl)-4-hydroxy-N-methylpiperidine-1-carboxamide;

5-((1-(1-acryloylazetidine-2-carbonyl)-4-hydroxypiperidin-4-yl) methyl)-1-(biphenyl-4-yl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

N-[(1r,3r)-3-(4-hydroxy-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carbonyl)cyclobutyl]prop-2-ynamide;

5-({4-hydroxy-1-[(2S)-2-methyl-1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(2R)-2-methyl-1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

pyrrolidin-3-ylmethyl 4-hydroxy-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxylate;

N-(4-fluoropyrrolidin-3-yl)-4-hydroxy-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

N-[(3R)-4-fluoropyrrolidin-3-yl]-4-hydroxy-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

N-[(3S)-4-fluoropyrrolidin-3-yl]-4-hydroxy-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

5-((1-benzoyl-4-hydroxypiperidin-4-yl)methyl)-1-(2-(hydroxymethyl) biphenyl-4-yl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(hydroxymethyl)-4-phenylphenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([4-hydroxy-1-[(morpholin-4-yl)carbonyl]piperidin-4-yl]methyl) -1-[3-(hydroxymethyl)-4-phenylphenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(Aminomethyl)-4-phenylphenyl]-5-[(1-cyclopropanecarbonyl-4- hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[(dimethylamino)methyl]-4-phenylphenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-[3-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1-(4-[[2-(propan-2-yloxy)ethyl]amino]phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[2-(propan-2-yloxy)ethyl]amino}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([4-hydroxy-1-[(4-methylphenyl)carbonyl]piperidin-4-yl]methyl)-1-[4-[4-(2-hydroxyethoxy)-1H-pyrazol-1-yl]phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(3-methyl-1H-1,2,4-triazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1- (2'-(2-(dimethylamino)ethylamino)biphenyl-4-yl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-[4-(pyrrolidin-3-yloxy)phenyl]phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[2-(dimethylamino)ethoxy]-3-fluorophenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{2-[2-(dimethylamino)ethoxy]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-[4-[(1-methylpyrrolidin-3-yl)oxy]phenyl]phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(4-{[(3R)-1-methylpyrrolidin-3-yl]oxy}phenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(4-{[(3S)-1-methylpyrrolidin-3-yl]oxy}phenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(1-(2,2-difluoroethyl)piperidin-4-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

4-hydroxy-N,N-dimethyl-4-({1-[4-(oxan-4-yl)phenyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-[(1-{4-[1-(2,2-difluoroethyl)piperidin-4-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{6-[(3S)-3-(methylamino)pyrrolidin-1-yl]pyridin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(6-(3-(methylamino)pyrrolidin-1-yl)pyridin-3-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{6-[(3S)-3-hydroxypyrrolidin-1-yl]pyridin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{6-[(3R)-3-hydroxypyrrolidin-1-yl]pyridin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[3-(methylamino)pyrrolidin-1-yl]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[(3S)-3-(methylamino)pyrrolidin-1-yl]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[(3R)-3-(methylamino)pyrrolidin-1-yl]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-[3-(3-aminooxetan-3-yl)phenyl]phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1-[4-[(1-methylazetidin-3-yl)oxy]phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(4-fluorooxan-4-yl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(4,4-difluorocyclohexyl)oxy]phenyl}-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[(4,4-difluorocyclohexyl)oxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(1-fluorocyclobutyl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-(4,4-difluorocyclohexyloxy)phenyl)-5-((4-hydroxy-1-(4-methylpiperazine-1-carbonyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(2-(piperazin-1-yl)biphenyl-4-yl)-1H-pyrazolo[3,4-d]pyrimidin-4 (5H)-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(4,4-difluoropiperidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(pyridin-2-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4,4-difluoropiperidin-1-yl)phenyl]-5-{[4-hydroxy-1-(4-methylbenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-chloro-4-(4-methylpiperazin-1-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(morpholin-4-yl)-4-phenylphenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1-(1-methyl-1H-pyrazol-4-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(1-phenyl-1H-pyrazol-4-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(1-cyclopropyl-1H-pyrazol-4-yl)-5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-((7-(4-fluorophenyl)-4-oxo-6-phenyl-4H-pyrrolo[2,3-d]pyrimidin -3 (7H)-yl)methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

1-[4-(dimethylamino)phenyl]-5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1-(pyridin-2-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-(1H-1,2,3-triazol-1-yl)phenyl)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(4-Fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1-[4-(1-hydroxycyclopropyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[(3R,4R)-1-benzoyl-3-fluoro-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[(3S,4R)-1-benzoyl-3-fluoro-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-((4-hydroxy-1-(4-((1-methyl-1H-pyrazol-3-yl)oxy)benzoyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-({4-hydroxy-1-[(3R)-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-(1-(1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)-2-hydroxyethyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

8-((1-(4-fluorophenyl)-4-oxo-1,4-dihydro-5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl)-8-hydroxyoctahydro-4H-quinolizin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-methoxycyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)-1λ⁶-thiane-1,1-dione;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4,5,6,7-tetrahydro-1H-indazole-6-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(1-methyl-4,5,6,7-tetrahydro-1H-indazole-6-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(1-cyclopropyl-1H-pyrazole-4-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(1-methyl-1H-pyrazol-4-yl)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(1-methyl-1H-pyrazol-4-yl)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-phenoxybenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-3-(3-chloro-1H-pyrazol-1-yl)-4,4-difluorobutanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-3-(3-chloro-1H-pyrazol-1-yl)-4,4-difluorobutanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-3-(4-chloro-1H-pyrazol-1-yl)-4,4-difluorobutanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-3-(4-chloro-1H-pyrazol-1-yl)-4,4-difluorobutanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(4-methyl-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(4-methyl-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-[[(1r,4r)-4-[(5-fluoropyridin-2-yl)oxy]cyclohexyl]carbonyl]piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-[[(1s,4s)-4-[(5-fluoropyridin-2-yl)oxy]cyclohexyl]carbonyl]piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(6-fluoropyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1H-imidazol-1-ylmethyl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(6-fluoropyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1r,4r)-4-[(6-fluoropyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1s,4s)-4-[(6-fluoropyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1r,4r)-4-[(5-fluoropyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1s,4s)-4-[(5-fluoropyridin-2-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-1-methyl-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-1-methyl-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(pyrimidin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(pyrimidin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(pyridin-3-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1H-1,2,3,4-tetrazol-1-ylmethyl)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(pyridin-3-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(pyridin-4-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(pyridin-4-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(1-methyl-1H-pyrazol-3-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-3-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(5-methyl-1,2-oxazol-3-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(5-methyl-1,2-oxazol-3-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(1-methyl-1H-pyrazol-4-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-4-yl)oxy]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(2-benzylazetidine-1-carbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-fluorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(2-benzylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(2R)-2-benzylazetidine-1-carbonyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{1H,4H,5H,6H,7H-pyrazolo[3,4-c]pyridine-6-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{1-methyl-1H,4H,5H,6H,7H-pyrazolo[3,4-c]pyridine-6-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(1-methyl-1H-pyrazol-5-yl)amino]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-5-yl)amino]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-[(1-methyl-1H-pyrazol-3-yl)amino]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-[(1-methyl-1H-pyrazol-3-yl)amino]cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(phenylamino)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(phenylamino)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(cyclopropylamino)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[3-(3-fluorophenyl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(3,3-difluorocyclobutyl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(1-[[2-(cyclopropylamino)-1,3-oxazol-5-yl]carbonyl]-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-{[4-hydroxy-1-(1-methyl-1H-pyrazole-4-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(3-(3-aminopropoxy)benzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-chlorophenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl) methyl)-1-(4-(1-methyl-1H-pyrazol-4-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-([1-[(2-Cyclopropyl-1,3-oxazol-5-yl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1-[4-(1-methyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

(S)-1-(4-(hexahydro-1H-pyrido[1,2-a]pyrazin-2(6H)-yl)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl) methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

(R)-1-(4-(hexahydro-1H-pyrido [1,2-a]pyrazin-2(6H)-yl)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-([1-[(2-cyclopropyl-1,3-oxazol-5-yl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1-[4-(4-methyl-1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[3-(4-fluorophenyl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-1-[4-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1-methylcyclobutanecarbonyl)piperidin-4-yl]methyl}-1-[4-(1H-pyrazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

(R)-5-((1-(cyclohexanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(3-hydroxy-3-methylpyrrolidin-1-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-(4-{3-azabicyclo[3.1.0]hexan-3-yl}phenyl)-5-({1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{3-azabicyclo[3.1.0]hexan-3-yl}phenyl)-5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-(4,4-Difluorocyclohexylamino)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

N-(4'-(4-((1-(4-ethynylphenyl)-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-5(4H)-yl)methyl)-4-hydroxypiperidine-1-carbonyl)biphenyl-2-yl)ethenesulfonamide;

5-([1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl]methyl)-1-[3-(morpholin-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl]methyl)-1-[3-(morpholin-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methyl-4-phenylbutanoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{3-azabicyclo[3.1.0]hexan-3-yl}phenyl)-5-({1-[(3S)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{3-azabicyclo[3.1.0]hexan-3-yl}phenyl)-5-({1-[(3R)-4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

(R)-3-((1-(4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-(4-methylpiperazin-1-yl)phenyl)-3H-pyrrolo[2,3-d]pyrimidin-4(7H)-one;

(S)-3-((1-(4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-7-(3-(4-methylpiperazin-1-yl)phenyl)-3H-pyrrolo[2,3-d]pyrimidin-4(7H)-one;

7-(4-fluorophenyl)-3-((4-hydroxy-1-(trans-4-((1-methyl-1H-pyrazol-5-yl)oxy)cyclohexanecarbonyl)piperidin-4-yl)methyl)-3H-pyrrolo[2,3-d]pyrimidin-4(7H)-one;

1-(4-ethylphenyl)-5-((4-hydroxy-1-(4-(1-methylpiperidin-4-yloxy)benzoyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

(R)-5-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-1-p-tolyl-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

(S)-5-((1-(4,4-difluoro-3-(3-fluoro-1H-pyrazol-1-yl)butanoyl)-4-hydroxypiperidin-4-yl)methyl)-1-p-tolyl-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-([1-[(1-cyclopropyl-1H-pyrazol-4-yl)carbonyl]-4-hydroxypiperidin -4-yl]methyl)-1-(4-cyclopropylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-cyclopropylphenyl)-5-((4-hydroxy-1-(2-methyloxazole-5- carbonyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(2-benzylcyclopropanecarbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(2S)-1-(prop-2-ynoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-Fluorophenyl)-5-((4-hydroxy-1-(trans-4-(5-methylisoxazol-3-ylamino)cyclohexanecarbonyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-(4-Fluorophenyl)-5-((4- hydroxy -1-(cis-4-(5-methylisoxazol-3-ylamino)cyclohexanecarbonyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[4-hydroxy-1-(2-methoxy-3-phenylpropanoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(3-bromo-4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-{[1-(3-bromophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-(5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl) -4-oxo-4,5-dihydropyrazolo[3,4-d]pyrimidin-1-yl)benzoic acid;

N-[(2R)-1-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidin-1-yl]-1-oxo-3-phenylpropan-2-yl]ethene-1-sulfonamide;

Anti-5-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-1 -(4-((4-methoxycyclohexyl)oxy)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

Syn-5-((4-Hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl)methyl)-1 -(4-((4-methoxycyclohexyl)oxy)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-((3- hydroxy-1-methylazetidin-3-yl)methoxy)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(4,4-difluorocyclohexyl)oxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(4-methylpiperazin-1-yl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(morpholin-4-yl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4,4,4-trifluoro-3-phenylbutanoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{1H,4H,6H,7H-pyrano[4,3-c]pyrazol-1-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl]methyl)-1-[4-(piperidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-([1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl]methyl)-1-[4-(piperidin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{[2-(dimethylamino)ethyl](methyl)amino}phenyl)-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-fluoro-3-(piperazin-1-yl)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[3-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[3-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-(2-{4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}phenyl)acetonitrile;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[3-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1-[3-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[1-(prop-2-enoyl)azetidine-2-carbonyl]piperidin-4-yl}methyl)-1-[4-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-{4-[(3S)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-{4-[(3R)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-{4-[(3S)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-{4-[(3R)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-{4-[(3S)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-{4-[(3R)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-{4-[(3S)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(2-{4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenyl}phenyl)cyclopropane-1-carbonitrile;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-{4-[(3R)-3-hydroxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-[4-[(3S)-pyrrolidin-3-yloxy]phenyl]phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl -4-hydroxypiperidin-4-yl)methyl]-1-(4-[4-[(3R)-pyrrolidin-3-yloxy]phenyl]phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1 -(4-(piperidin-4-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(4-methylpiperazin-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{6-[3-(methylamino)pyrrolidin-1-yl]pyridin-3-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-cyclobutylphenyl)-5-{[4-hydroxy-1-(2-methyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-cyclobutylphenyl)-5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-7-(4-fluorophenyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

5-({1-[4-(4-chlorophenoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-7-(4-fluorophenyl)-6-methyl-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-[4-(hydroxymethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1r,4r)-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-[4-(hydroxymethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1s,4s)-4-(pyridin-2-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1-[4-(hydroxymethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(azetidin-1-ylmethyl)phenyl]-5-([1-[(3S)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl]methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(azetidin-1-ylmethyl)phenyl]-5-([1-[(3R)-4,4-difluoro-3-(1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl]methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1- [3-[2-(dimethylamino)ethoxy]-4-phenylphenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(4-fluorophenoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(4-bromophenoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(4-hydroxyphenoxy)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(3-hydroxyphenoxy)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(4-hydroxy-1-{4-[(pyrimidin-2-yloxy)methyl]benzoyl}piperidin-4-yl)methyl]-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(3-chlorophenoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(3-bromophenoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(1-cyclopropyl-1H-pyrazol-4-yl)-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(5-methyl-1,3,4-oxadiazol-2-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3S)-4,4,4-trifluoro-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(3R)-4,4,4-trifluoro-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[2-(4-hydroxypiperidin-1-yl)-1,3-oxazole-5-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[2-(4-hydroxypiperidin-1-yl)-1,3-oxazole-5-carbonyl]piperidin-4-yl}methyl)-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(1r,3r)-3-(pyridin-2-yloxy)cyclobutanecarbonyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[(3S)-4,4-difluoro-3-(4-fluoro-1H-pyrazol-1-yl)butanoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-({4-hydroxy-1-[4-(4H-1,2,4-triazol-4-yl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-{[5-(trifluoromethyl)pyridin-2-yl]oxy}benzoyl)piperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(4-hydroxy-1-{6-[(1-methylpyrrolidin-3-yl)oxy]pyridine-3-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[1-methyl-3-(1H-pyrazol-1-ylmethyl)-1H-pyrazole-4-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(5-methyl-1,2-oxazol-3-yl)oxy]piperidine-1-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-[(4-hydroxy-1-{4-[(1-methyl-1H-pyrazol-4-yl)oxy]piperidine-1-carbonyl}piperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,4r)-4-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclohexyl]acetamide;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1s,4s)-4-(oxan-4-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[(1r,4r)-4-(oxan-4-yloxy)cyclohexanecarbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(4-bromophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-({4-hydroxy-1-[4-(pyridin-3-yloxy)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(4-methoxyphenoxy)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(3-methylphenoxy)benzoyl]piperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,3r)-3-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclobutyl]prop-2-ynamide;

N-[(1R,2S)-2-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carbonyl)cyclobutyl]prop-2-ynamide;

N-[(1r,3r)-3-[2-(4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidin-1-yl)-2-oxoethyl]cyclobutyl]prop-2-ynamide;

4-{4-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]phenoxy}benzonitrile;

1-(3-aminophenyl)-5-((1-(cyclopropanecarbonyl)-4-hydroxypiperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-(4-aminophenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-((1-(4-fluoro-3-(piperazin-1-yl)phenyl)-4-oxo-1H-pyrazolo[3,4-d] pyrimidin-5(4H)-yl)methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[4-(piperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

4-[(1-{4-[(3R,4R)-3-fluoro-4-hydroxypyrrolidin-1-yl]phenyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl)methyl]-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

1-[4-chloro-3-(morpholin-4-yl)phenyl]-5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(3,4-dimethylphenoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-fluoro-4-(4-methylpiperazin-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-fluoro-3-[(3S)-3-methoxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-fluoro-3-[(3R)-3-methoxy-3-methylpyrrolidin-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}-2-(4-methylpiperazin-1-yl)benzonitrile;

4-((1-(3-((3R,4R)-3-fluoro-4-hydroxypyrrolidin-1-yl)phenyl)-4-oxo -1H-pyrazolo[3,4-d]pyrimidin-5(4H)-yl)methyl)-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(4-methylpiperazin-1-yl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-{2H,4H,6H,7H-pyrano[4,3-c]pyrazol-2-yl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(2-hydroxyethoxy)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(morpholin-4-yl)-1H-pyrazol-1-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-hydroxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-{4-[(1-fluorocyclobutyl)methoxy]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-((1-hydroxycyclobutyl)methoxy)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(2- methyl-1H-imidazol-4-yl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

1-[4-(1,5-dimethyl-1H-imidazol-2-yl)phenyl]-5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

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

5-([1-[(4-fluorophenyl)carbonyl]-4-hydroxypiperidin-4-yl]methyl) -1-[4-(4-methyl-1H-imidazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[4-(2-methyl-1H-imidazol-1-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(4-(difluoromethoxy)benzoyl)-4-hydroxypiperidin-4-yl)methyl) -1-(3-(hydroxymethyl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-{[1-(3-cyclopropyl-3-phenylpropanoyl)-4-hydroxypiperidin-4-yl]methyl}-1-methyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluoro-3-(hydroxymethyl)phenyl)-5-((4-hydroxy-1-(4-(pyrimidin-2-yloxy)benzoyl)piperidin-4-yl)methyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

4-hydroxy-4-((1-(4-(1-isopropylpiperidin-4-yl)phenyl)-4-oxo-1H-pyrazolo[3,4-d]pyrimidin-5(4H)-yl)methyl)-N,N-dimethylpiperidine-1-carboxamide;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-[3-(piperidin-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N,N-dimethyl-4-({4-oxo-1-[4-(piperidin-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carboxamide;

(R)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(methylsulfinyl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

(S)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(methylsulfinyl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(methylsulfinyl)phenyl)-1H-pyrazolo[3,4-d]pyrimidin-4(5H)-one;

(S)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(S-methylsulfonimidoyl)phenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

(R)-5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(S-methylsulfonimidoyl)phenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

5-((1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl)methyl)-1-(4-(S-methylsulfonimidoyl)phenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one; or

1-[4-[(4-[[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl]-4-hydroxypiperidin-1-yl)carbonyl]phenyl]-1H-pyrazole-4-carboxylic acid.

23. The compound of claim 22 selected from:

N-[(2R)-1-[4-hydroxy-4-({1-methyl-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidin-1-yl]-1-oxo-3-phenylpropan-2-yl]ethene-1-sulfonamide;

5-({4-hydroxy-1-[(3S)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-cyclopropylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-4,4,4-trifluoro-3-phenylbutanoyl]piperidin-4-yl}methyl)-1-(4-methylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methoxybenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(1H-indazole-3-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{4-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidin-1-yl]-4-oxobutyl}ethene-1-sulfonamide;

5-{[4-hydroxy-1-(1H-indazole-6-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrazol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3R)-3-(1H-pyrrol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[(3S)-3-(1H-pyrrol-1-yl)butanoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(methoxymethyl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[3-(aminomethyl)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclohexanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclobutanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopentanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,5-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(3-methylbenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(4-methylbenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-4-methoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-dihydro-1-benzofuran-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chloro-4-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chloro-3-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-methylbenzoyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dimethylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,5-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-4-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-fluoro-2-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(5-fluoro-2-methylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(cyclopropylamino)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[4-hydroxy-1-(2-phenyl-1,3-oxazole-5-carbonyl)piperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(pyridin-3-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3,4-dichlorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[(1r,3r)-3-[4-hydroxy-4-({4-oxo-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl}methyl)piperidine-1-carbonyl]cyclobutyl]prop-2-ynamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(propan-2-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(trifluoromethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-chlorophenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-methoxybenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(trifluoromethoxy)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

propan-2-yl 4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxypiperidine-1-carboxylate;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N,N-dimethylpiperidine-1-carboxamide;

5-{[1-(4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(hydroxymethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-cyclopropoxybenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-{[1-(4-fluorophenyl)-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}-4-hydroxy-N-methylpiperidine-1-carboxamide;

5-[(1-{bicyclo[1.1.1]pentane-1-carbonyl}-4-hydroxypiperidin-4-yl)methyl]-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[3-(trifluoromethyl)bicyclo[1.1.1]pentane-1-carbonyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1,1,1-trifluoro-2-hydroxypropan-2-yl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(1,1-difluoroethyl)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3-chlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(4-cyclopropylbenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[4-(difluoromethoxy)benzoyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(4-methylbenzoyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(3,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2-cyclopropyl-1,3-oxazole-5-carbonyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({1-[2-(dimethylamino)-1,3-oxazole-5-carbonyl]-4-hydroxypiperidin-4-yl}methyl)-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-phenoxyphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,4-dichlorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-{[4-hydroxy-1-(pyrrolidine-1-carbonyl)piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N,N-dimethyl-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

5-{[4-hydroxy-1-(morpholine-4-carbonyl)piperidin-4-yl]methyl}-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(trifluoromethyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(4-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(4-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[4-(2-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(4-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(pyrrolidine-1-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,4-dimethoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(2,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,5-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(2,5-dichlorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

4-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(trifluoromethyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(4-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-phenylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(2-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(3-chlorophenyl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-fluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(4-methanesulfonylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(pyrrolidine-1-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,4-dimethoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(2,4-dichlorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(2,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,4-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,5-dichlorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3,5-difluorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(2,5-dichlorophenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)benzonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[4-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[2-methyl-4-(1H-pyrazol-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(dimethyl-1,2-oxazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyrimidin-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1-methyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[2-(morpholin-4-yl)ethoxy]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{4-[2-(dimethylamino)ethoxy]phenyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[2-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)phenyl]methanesulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(2-methanesulfonylphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-hydroxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(5-fluoropyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(dimethylamino)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[2-methyl-4-(1H-pyrazol-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(dimethyl-1,2-oxazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyrimidin-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1-methyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-methylbenzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[5-hydroxy-2-(trifluoromethoxy)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-[2-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)phenyl]methanesulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(2-methanesulfonylphenyl) phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-hydroxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[6-(dimethylamino)pyridin-3-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(5-fluoropyridin-3-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(morpholine-4-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3,5-dimethyl-1H-pyrazol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[5-fluoro-2-(hydroxymethyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(3-fluoro-5-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzene-1-sulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1H-indol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

3-(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-(2-hydroxyethyl)benzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1-methyl-1H-indazol-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(cyclopropylmethoxy)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{4-[3-(pyrrolidin-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[2-(dimethylamino)pyrimidin-5-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[2-(morpholin-4-yl)pyrimidin-5-yl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[3-(5-chloropyridin-3-yl)phenyl]-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(morpholine-4-carbonyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[5-fluoro-2-(hydroxymethyl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(3-fluoro-5-methoxyphenyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzene-1-sulfonamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1H-indol-4-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N,N-dimethylbenzamide;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-methylbenzamide;

3-(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)-N-(2-hydroxyethyl)benzamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1-methyl-1H-indazol-5-yl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(cyclopropylmethoxy)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[4-(1H-pyrazol-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-{3-[3-(pyrrolidin-1-yl)phenyl]phenyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(3-{[cyclohexyl(ethyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(morpholin-4-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-{[cyclohexyl(ethyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(morpholin-4-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[3-(trifluoromethyl)bicyclo[1.1.1]pentane-1-carbonyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N-methyl-4-{[4-oxo-1-(4-phenylphenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

5-{[(3S,4S)-1-benzoyl-3-fluoro-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-({[2-(dimethylamino)ethyl](methyl)amino}methyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{1-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-4-yl}acetamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(pyrrolidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(piperidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidine-4-carbonitrile;

1-(4-{[benzyl(methyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[(2-methoxyethyl)(methyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[4-(dimethylamino)piperidin-1-yl]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[methyl(2-methylpropyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-(1,2,3,4-tetrahydroisoquinolin-2-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{4-[(4-acetylpiperazin-1-yl)methyl]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]-1λ^6-thiomorpholine-1,1-dione;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[4-({[(6-ethylpyridin-3-yl)methyl](methyl)amino}methyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

2-{1-[(4-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-3-yl}acetonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{[cyclopropyl(oxan-4-yl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(4-{8-oxa-2-azaspiro[4.5]decan-2-ylmethyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(pyrrolidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(piperidin-1-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidine-4-carbonitrile;

1-(3-{[benzyl(methyl)amino]methyl}phenyl)-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-({[2-(dimethylamino)ethyl](methyl)amino}methyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[(2-methoxyethyl)(methyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

N-{1-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-4-yl}acetamide;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[4-(dimethylamino)piperidin-1-yl]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{[methyl(2-methylpropyl)amino]methyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-[3-(1,2,3,4-tetrahydroisoquinolin-2-ylmethyl)phenyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-{3-[(4-acetylpiperazin-1-yl)methyl]phenyl}-5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]-1λ^6-thiomorpholine-1,1-dione;

2-{1-[(3-{5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl}phenyl)methyl]piperidin-3-yl}acetonitrile;

5-[(1-cyclopropanecarbonyl-4-hydroxypiperidin-4-yl)methyl]-1-(3-{8-oxa-2-azaspiro[4.5]decan-2-ylmethyl}phenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[1-(2,3-difluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-1-(4-fluorophenyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-({4-hydroxy-1-[4-(1-hydroxycyclopropyl)benzoyl]piperidin-4-yl}methyl)-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-fluorophenyl)-5-({4-hydroxy-1-[4-(1-hydroxycyclopropyl)benzoyl]piperidin-4-yl}methyl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

5-{[(3R,4S)-1-benzoyl-3-fluoro-4-hydroxypiperidin-4-yl]methyl}-1-phenyl-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one;

4-hydroxy-N-methyl-4-{[4-oxo-1-(6-phenylpyridin-3-yl)-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-5-yl]methyl}piperidine-1-carboxamide;

3-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-7-(4-fluorophenyl)-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one;

3-[(1-benzoyl-4-hydroxypiperidin-4-yl)methyl]-7-(4-fluorophenyl)-6-methyl-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one; or

7-[3-(aminomethyl)phenyl]-3-{[1-(4-fluorobenzoyl)-4-hydroxypiperidin-4-yl]methyl}-3H,4H,7H-pyrrolo[2,3-d]pyrimidin-4-one.

24. A compound selected from:
1-(4-(1-(difluoromethyl)-1H-pyrazol-4-yl)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;
1-(4-(3,3-difluorocyclobutoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;

1-(4-((3,3-difluoro-1-methylcyclobutyl)methoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one;
1-[4-(3-fluoro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one; or
1-[4-(5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]piperidine-4-carbonitrile.

25. The compound of claim 24, wherein the compound is 1-(4-(1-(difluoromethyl)-1H-pyrazol-4-yl)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one.

26. The compound of claim 24, wherein the compound is 1-(4-(3,3-difluorocyclobutoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one.

27. The compound of claim 24, wherein the compound is1-(4-((3,3-difluoro-1-methylcyclobutyl)methoxy)phenyl)-5-((4-hydroxy-1-(1-methylcyclopropane-1-carbonyl)piperidin-4-yl)methyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one.

28. The compound of claim 24, wherein the compound is 1-[4-(3-fluoro-1H-pyrazol-1-yl)phenyl]-5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl) piperidin-4-yl]methyl}-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-4-one.

29. The compound of claim 24, wherein the compound is 1-[4-(5-{[4-hydroxy-1-(1-methylcyclopropanecarbonyl)piperidin-4-yl]methyl}-4-oxo-1H,4H,5H-pyrazolo[3,4-d]pyrimidin-1-yl)phenyl]piperidine-4-carbonitrile.

30. A pharmaceutical composition comprising, a compound of any one of claims 1, or 25 to 29, and a pharmaceutically acceptable carrier.

31. Use of a compound of any one of claims 25 to 29 in the manufacture of a medicament for treating colorectal cancer, bladder cancer, liposarcoma, or non-small cell lung cancer.