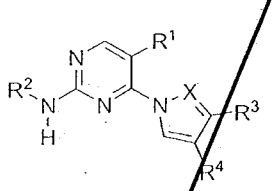
CLAIMS

1. A compound of Formula (I):



Formula I

wherein:

X is CH or N;

R^1 is selected from H, halo, CN, C_1-C_{10} alkyl or halo(C_1-C_4)alkyl, wherein C_1-C_{10} alkyl, or halo(C_1-C_4)alkyl is optionally substituted;

R^2 is aryl, cycloalkyl, arylalkyl, or heterocyclyl, wherein the aryl, cycloalkyl, arylalkyl, or heterocyclyl is optionally and independently substituted at one or more carbon atoms with 1-4 R^5 or R^{5a} groups; and wherein aryl and heterocyclyl having one or more nitrogen atoms is optionally and independently substituted at one or more nitrogen atoms with 1-4 R^6 or R^{6a} groups;

R^3 is independently halo, CN, or R^7; and

R^4 is selected from $(CH_2)_nOH$, $(CH_2)_nNR^{11}R^{12}$, $C(O)NHR^7$, $C(O)NR^{11}R^{12}$, $C(O)R^7$, $C(O)NR^7R^7$, $C(O)NR^7R^8$, $(CH_2)_nNR^7R^7$, $(CH_2)_nNR^7R^8$, $(CH_2)_nCN$, $(CH_2)_nSR^7$, $(CH_2)_nS(O)_nR^7$, or $(CH_2)_nS(O)_nNR^7R^7$, wherein each n is independently 1 or 2;

wherein:

Each R^5 is independently selected from halo, CF_3, SR^7, OR^7, $OC(O)R^7$, $O(CH_2)_nNR^7R^7$, $O(CH_2)_nNR^{11}R^{12}$, $O(CH_2)_nR^7$, $O(CH_2)_nC(O)NR^{11}R^{12}$, $O(CH_2)_nC(O)NR^7R^7$, NR^7R^7, NR^7R^8, $NHC(O)NH_2$, $C(O)OR^7$, NO_2, CN, $C(O)R^7$, OSO_2CH_3, $S(O)_nR^7$, $S(O)_nNR^7R^7$, $NR^7C(O)NR^7R^7$, $NR^7C(O)R^7$, $NR^7C(O)OR^7$, $NR^7S(O)_nR^7$, or $NR^{11}R^{12}$, wherein each n is independently 1 or 2;

Each R^{5a} is independently selected from amino, halo, hydroxy, C_1-C_{10} alkyl, C_2-C_{10}alkenyl, C_3-C_{10} alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{10}cycloalkenyl, alkoxy, haloalkyl, aryl, heteroaryl, or heterocyclyl, wherein the C_1-C_{10} alkyl, C_2-C_{10}alkenyl, C_3-C_{10} alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{10}cycloalkenyl, alkoxy, haloalkyl, aryl, heteroaryl, or heterocyclyl is optionally and independently substituted with 1 to 3 groups selected from halo, hydroxy, alkyl, R^9, or R^{10};

Each R^6 is independently R^7, $C(O)CH_2CN$, $C(O)R^7$, $C(O)OR^7$, $CO_2(C_1$-C_6alkyl), $C(O)NR^7R^7$, $SO_2NR^7R^7$,or SO_2R^7;

Each R^{6a} is independently hydroxy, C_1-C_{10} alkyl, C_2-C_{10} alkenyl, C_3-C_{10} alkynyl, C_3-C_{12} cycloalkyl, C_5-C_{10} cycloalkenyl, haloalkyl, wherein each R^{6a} group is optionally and independently substituted with 1-3 groups selected from hydroxy, aryl, alkyl, halo, R^9, or R^{10};

Each R^7 is independently H, C_1-C_{10}alkyl, C_2-C_{10}alkenyl, C_3-C_{10}alkynyl, C_3-C_{12} cycloalkyl, C_5-C_{12}cycloalkenyl, aryl, aryl(C_1-C_4)alkyl, haloalkyl, heteroaryl, or heterocyclyl, wherein the C_1-C_{10}alkyl, C_2-C_{10}alkenyl, C_3-C_{10}alkynyl, C_3-C_{12} cycloalkyl, C_5-C_{12}cycloalkenyl, aryl, aryl(C_1-C_4)alkyl, haloalkyl, heteroaryl, or heterocyclyl is optionally and independently substituted with 1-4 groups selected from aryl, cycloalkyl, heteroaryl, heterocyclyl, alkyl, halo, amino, hydroxy, R^9, or R^{10};

Each R^8 is independently $C(O)R^7$, $C(O)OR^7$, $C(O)NR^7R^7$, or $S(O)_nR^7$, wherein n is 1 or 2;

Each R^9 is independently CF_3, SR^7, OR^7, NR^7R^7, $NR^{11}R^{12}$, $C(O)NR^7R^7$, $C(O)NR^{11}R^{12}$, $S(O)_nNR^7R^7$, or $S(O)_nR^7$, wherein each n is independently 1 or 2;

Each R^{10} is $C(O)O(C_1\text{-}C_6)$alkyl, or halo$(C_1\text{-}C_4)$alkyl; and

R^{11} and R^{12}, taken together with the nitrogen atom to which they are bonded form:

i) a 3-8 membered saturated or partially saturated ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 3-8 membered saturated or partially saturated ring is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms;

ii) a 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone or sulfoxide, and wherein said 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a};

iii) a 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom is optionally substituted with 1-4 groups independently selected from R^5 or R^{5a} at one or more substitutable carbon atoms;

iv) a 9-10 membered saturated or partially saturated bicyclic ring having 1-5 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded,

wherein said heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfoxide, sulfone, carboxamide or sulfoxamide; or

v) a 6-14 membered saturated or partially saturated bridged ring having 1-3 heteroatoms in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone, or sulfoxide, and wherein said 6-14 membered saturated or partially saturated bridged ring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a};

or a pharmaceutically acceptable salt thereof.

2. The compound of Claim 1, wherein R^2 is an aryl selected from: a 5-6 membered monocyclic aryl group having 0-3 heteroatoms independently selected from nitrogen, oxygen, or sulfur; an 8-10 membered bicyclic aryl group having 0-5 heteroatoms independently selected from nitrogen, oxygen, sulfur, sulfoxide, or sulfone; an 8-10 membered partially saturated bicyclic aryl group having 0-5 heteroatoms independently selected from nitrogen, oxygen, sulfur, sulfoxide, or sulfone; or an 8-10 membered partially saturated bicyclic aryl group having a carboxamide or sulfoxamide.

3. The compound of Claim 2, wherein R^2 is a 5-6 membered monocyclic aryl having 0-3 heteroatoms independently selected from nitrogen, oxygen, or sulfur optionally and independently substituted with 1-4 R^5 or R^{5a} groups.

4. The compound of Claim 3, wherein the 5-6 membered monocyclic aryl is phenyl or pyrimidinyl optionally and independently substituted with 1, 2, or 3 groups selected from methyl, ethyl, phenyl, isoprophyl, methoxy, hydroxyethoxy, CF_3, OC_6H_5,

$OCH_2CH_2NR^{11}R^{12}$, $OCH_2CH_2NR^7R^7$, $OCH_2C_6H_5$, $OCH_2C(O)NR^{11}R^{12}$, $OCH_2C(O)NR^7R^7$, OSO_2CH_3, SO_2CH_3, SO_2NHCH_3, or $NR^{11}R^{12}$.

5. The compound of Claim 1, wherein R^4 is $(CH_2)_nNR^{11}R^{12}$, and R^{11} and R^{12}, taken together with the nitrogen atom to which they are bonded form:

i) a 3-8 membered saturated or partially saturated ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 3-8 membered saturated or partially saturated ring is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms;

ii) a 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone or sulfoxide, and wherein said 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a};

iii) a 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom is optionally substituted with 1-4 groups independently selected from R^5 or R^{5a} at one or more substitutable carbon atoms;

iv) a 9-10 membered saturated or partially saturated bicyclic ring having 1-5 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfoxide, sulfone, carboxamide or sulfoxamide; or

v) a 6-14 membered saturated or partially saturated bridged ring having 1-3 heteroatoms in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone, or sulfoxide, and wherein said 6-14 membered saturated or partially saturated bridged ring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a}.

6. The compound of Claim 5, wherein R^{11} and R^{12}, taken together with the nitrogen atom to which they are bonded form a 3-8 membered saturated or partially saturated ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 3-8 membered ring is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms.

7. The compound of Claim 6, wherein the 3-8 membered saturated or partially saturated ring is a 4-6 membered ring selected from azetidinyl, pyrrolidinyl, or piperidinyl optionally and independently substituted with 1-2 groups selected from hydroxy, halo, $OC(O)R^7$, CH_2OH, CH_2CH_2OH, NH_2, NR^7R^7, $NHC(O)NHR^7$, $NHSO_2R^7$, $C(O)OR^7$, or $C(O)NHR^7$ at one or more substitutable carbon atoms.

8. A compound selected from:

methyl 1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrole-3-carboxylate;

ethyl 1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazole-4-carboxylate;

1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazole-4-carboxylic acid;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoro pyrimidin-4-yl)-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethyl phenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(1-(2-(2,3-dihydro-*1H*-inden-5-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethyl-4-(2-(pyrrolidin-1-yl)ethoxy)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethyl-4-phenoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

2-(4-(5-fluoro-4-(3-(hydroxymethyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)ethanol;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-bis(trifluoromethyl)phenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(5-fluoro-2-(naphthalene-2-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(5-chloro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(4-cyclopropyl-1-(5- methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

2-(4-(4-(3-(hydroxyl methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl pyrimidin-2-ylamino)-2,6-dimethoxyphenoxy)ethanol;

2-(4-(4-(4-(3-(hydroxylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl pyrimidin-2-ylamino)-2-methylphenyl)piperazin-1-yl)ethanol;

(*S*)-1-(4-(4-(3-(hydroxylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl pyrimidin-2-ylamino)-2-methylphenyl)pyrrolidin-3-ol;

(1-(5-fluoro-2-(4-(methylsulfonyl)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-(trifluoromethyl)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-phenyl-*1H*-pyrrol-3-yl)methanol;

(1-(5-fluoro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-(furan-3-yl)-*1H*-pyrrol-3-yl)methanol;

1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-*N*-(2-hydroxyethyl)-N,3-dimethyl-*1H*-pyrazole-4-carboxamide;

1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-*N,N*-bis(2-hydroxyethyl)-3-methyl-*1H*-pyrazole-4-carboxamide;

(*S*)-(1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)(3-hydroxypyrrolidin-1-yl)methanone;

(*R*)-(1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)(3-hydroxypyrrolidin-1-yl)methanone;

N-(2-aminoethyl)-1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-(trifluoromethyl)-*1H*-pyrazole-4-carboxamide;

1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*N*-(3,5-dimethyl phenyl)-*1H*-pyrazole-4-carboxamide;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrazol-4-yl)(piperidin-1-yl)methanone;

(*S*)-1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*N*-(1-hydroxy propan-2-yl)-3-methyl-*1H*-pyrazole-4-carboxamide;

N-benzyl-1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrazole-4-carboxamide;

(*R*)-(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)(3-hydroxypyrrolidin-1-yl)methanone;

2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methylamino)ethanol;

2-(4-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)ethanol;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((4-cyclopropyl-1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

4-(4-((benzylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)pyrimidin-2-amine;

4-(4-(3-((3-hydroxyazetidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenyl methanesulfonate;

(*R*)-4-(4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-*N*,2-dimethylbenzenesulfonamide;

(*R*)-1-((1-(2-(3,5-dimethyl-4-(2-(pyrrolidin-1-yl)ethoxy)phenyl amino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)pyrrolidin-3-ol;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidine-3-carboxylic acid;

(*R*)-1-((1-(2-(3,5-dimethyl-4-phenoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

(*R*)-1-(1-((1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-yl)urea;

1-((4-methyl-1-(2-(2-methylbiphenyl-4-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((1-(2-(2,3-dihydro-*1H*-inden-5-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol1-((4-methyl-1-(2-(1-methyl-*1H*-indol-5-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

(*R*)-1-((4-methyl-1-(2-(1-methyl-*1H*-indol-5-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl) pyrrolidin-3-ol;

4-(3-((4,4-difluoropiperidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)pyrimidin-2-amine;

(*R*)-2-(4-(4-(4-((3-hydroxypyrrolidin-1-yl)methyl)-3-methyl-*1H*-pyrazol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

2-(4-(4-(4-((3-hydroxyazetidin-1-yl)methyl)-3-methyl-*1H*-pyrazol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(pyrrolidin-1-ylmethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(pyrrolidin-1-ylmethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

(*S*)-2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl amino)propan-1-ol;

4-(4-((cyclopropylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

4-(4-((cyclohexylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(piperidin-1-ylmethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(morpholinomethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((phenylamino)methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

4-(4-((3,4-dihydroisoquinolin-2(*1H*)-yl)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethyl phenyl)-5-fluoropyrimidin-2-amine;

4-(4-((benzyl(methyl)amino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoro pyrimidin-2-amine;

N^1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)ethane-1,2-diamine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(4-((4-fluorophenethylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((pyridin-4-ylmethylamino)methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)pyrrolidin-3-ol;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)pyrrolidin-3-ol;

1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)piperidin-4-ol;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(piperidin-1-ylmethyl)-*1H*-pyrrol-1-yl)pyrimidin-2-amine;

1-((3-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrazol-4-yl)methyl)azetidin-3-ol;

2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl amino)ethanol;

4-(4-((benzylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((4-methylpiperazin-1-yl)methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

4-(4-((dimethylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((piperidin-4-ylamino) methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine trihydrochloride;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-(3-sulfonylpyrrolidin-1-ylmethyl)-*1H*-pyrrol-1-yl)pyrimidin-2-amine;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(morpholinomethyl)-*1H*-pyrrol-1-yl)pyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) pyrrolidin-3-ol;

1-((1-(2-(3,4-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

(*R*)-2-(4-(5-fluoro-4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

3-(4-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)-3-oxopropanenitrile;

(*R*)-4-(3-((3-aminopyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

1-((1-(5-fluoro-2-(naphthalen-2-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((1-(2-(4-(benzyloxy)-3,5-dimethoxyphenylamino)-5-methylpyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

(*R*)-4-(5-fluoro-4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenyl methanesulfonate;

(*R*)-1-((1-(5-fluoro-2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-yl acetate;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-yl pivalate;

1-((4-cyclopropyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)urea;

4-(3-((1,4-diazepan-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl-*N*-(3,4,5-trimethoxyphenyl)pyrimidin-2-amine trihydrochloride;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) pyrrolidin-3-ol;

2,2-dimethyl-1-(4-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)-1,4-diazepan-1-yl)propan-1-one;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

(*S*)-2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methylamino)propan-1-ol;

4-(3-((benzylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethoxyphenyl)-5-fluoro pyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

4-(3-((dimethylamino)methyl)-4-(furan-3-yl)-*1H*-pyrrol-1-yl)-5-fluoro-*N*-(3,4,5-trimethoxyphenyl)pyrimidin-2-amine;

1-((1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) piperidin-4-ol;

N-(3,5-dimethoxyphenyl)-4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(5-fluoro-2-(3-(trifluoromethyl)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(5-fluoro-2-(3-(trifluoromethyl)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl) methyl)piperidin-4-ol;

2-(4-((1-(5-chloro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)ethanol;

1-((1-(5-chloro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((1-(5-chloro-2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-methylpyrimidin-2-amine;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-methylpyrimidin-2-amine;

1-((1-(2-(3,5-dimethylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

2-(4-((1-(2-(4-(4-(2-hydroxyethyl)piperazin-1-yl)-3-methylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)ethanol;

4-((1-(2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)-*N*-methyl-1,4-diazepane-1-carboxamide;

4-((1-(2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)-1,4-diazepane-1-carboxamide;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

(1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperidin-4-yl)methanol;

1-((1-(2-(3,5-dimethyl-4-(2(pyrrolidin-1-yl)ethoxy)phenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) azetidin-3-ol;

2-(4-(4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methylpyrimidin-2-ylamino)-2,6-dimethylphenoxy)ethanol;

(*R*)-1-((1-(5-fluoro-2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-fluoro-*N*-(3-(trifluoromethyl)phenyl) pyrimidin-2-amine;

2-(4-(5-fluoro-4-(3-((3-hydroxyazetidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-(pyrrolidin-1-yl)ethanone;

(*R*)-1-((1-(2-(3,5-dimethylphenyl amino)-5-(trifluoromethyl) pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(5-fluoro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-(furan-3-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

4-(3-((dimethylamino)methyl)-4-phenyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-phenyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

N-(3,5-bis(trifluoromethyl)phenyl)-4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-bis(trifluoromethyl)phenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(2-(3,5-bis(trifluoromethyl)phenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

4-(3-((dimethylamino)methyl)-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

4-(3-(2,5-diazabicyclo[2.2.1]heptan-2-ylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-bromo-N-(3,4,5-trimethoxyphenyl)pyrimidin-2-amine trihydrochloride;

(*R*)-2-(4-(5-fluoro-4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

2-(4-(4-(3-(2,5-diazabicyclo[2.2.1]heptan-2-ylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methylpyrimidin-2-ylamino)-2,6-dimethylphenoxy)ethanol trihydrochloride;

4-(3-((1,4-diazepan-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-chloro-N-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)pyrimidin-2-amine;

1-((1-(5-chloro-2-(2,3-dihydrobenzo[b][1,4]dioxin-6-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol; or

(*R*)-1-((1-(2-(4,6-dimethylpyrimidin-2-ylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol.

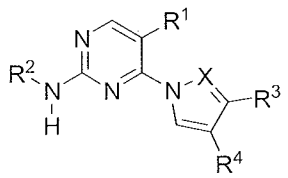
9. A pharmaceutical formulation comprising a compound of Claim 1 in combination with a pharmaceutically acceptable carrier, diluent or excipient.

10. The compound of claim 1, wherein X is CH.

CLAIMS

What is claimed is:

1. A compound of Formula (I):



Formula I

wherein:

X is CH or N;

R^1 is selected from H, halo, C_1-C_{10} alkyl or halo(C_1-C_4)alkyl,

R^2 is aryl or heteroaryl, wherein the aryl or heteroaryl is optionally and independently substituted at one or more carbon atoms with 1-4 R^5 or R^{5a} groups;and wherein the aryl or heteroaryl is

a 5-6 membered monocyclic aryl or heteroarylgroup having 0-3 heteroatoms independently selected from nitrogen, oxygen, or sulfur;

an 8-10 membered bicyclic aryl or heteroarylgroup having 0-5 heteroatoms independently selected from nitrogen, oxygen, sulfur, sulfoxide, or sulfone;

an 8-10 membered partially saturated bicyclic aryl or heteroarylgroup having 0-5 heteroatoms independently selected from nitrogen, oxygen, sulfur, sulfoxide, or sulfone; or

an 8-10 membered partially saturated bicyclic aryl or heteroarylgroup having a carboxamide or sulfoxamide;

R^3 is independently halo, or R^7; and

R^4 is selected from $(CH_2)_nOH$, $(CH_2)_nNR^{11}R^{12}$, $C(O)NHR^7$, $C(O)NR^{11}R^{12}$, $C(O)R^7$, $C(O)NR^7R^7$, $C(O)NR^7R^8$, $(CH_2)_nNR^7R^7$ or $(CH_2)_nNR^7R^8$, wherein each n is independently 1 or 2;

wherein:

Each R^5 is independently selected from halo, CF_3, SR^7, OR^7, $OC(O)R^7$, $O(CH_2)_nNR^7R^7$, $O(CH_2)_nNR^{11}R^{12}$, $O(CH_2)_nR^7$,$O(CH_2)_nC(O)NR^{11}R^{12}$, $O(CH_2)_nC(O)NR^7R^7$, NR^7R^7, NR^7R^8, $NHC(O)NH_2$, $C(O)OR^7$, NO_2, CN, $C(O)R^7$, OSO_2CH_3, $S(O)_nR^7$, $S(O)_nNR^7R^7$, $NR^7C(O)NR^7R^7$, $NR^7C(O)R^7$, $NR^7C(O)OR^7$, $NR^7S(O)_nR^7$, or $NR^{11}R^{12}$, wherein each n is independently 1 or 2;

Each R^{5a} is independently selected from amino, halo, hydroxy, C_1-C_{10} alkyl, C_2-C_{10}alkenyl, C_3-C_{10}alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{10}cycloalkenyl or phenyl, wherein the C_1-C_{10} alkyl, C_2-C_{10}alkenyl, C_3-C_{10}alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{10}cycloalkenyl or phenyl is optionally and independently substituted with 1 to 3 groups selected from halo, hydroxy, R^9, or R^{10};

Each R^6 is independently R^7, $C(O)CH_2CN$, $C(O)R^7$, $C(O)OR^7$, $CO_2(C_1$-C_6alkyl), $C(O)NR^7R^7$, $SO_2NR^7R^7$,or SO_2R^7;

Each R^{6a} is independently hydroxy, C_1-C_{10} alkyl, C_2-C_{10} alkenyl, C_3-C_{10} alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{10}cycloalkenyl, wherein each R^{6a} group is optionally and independently substituted with 1-3 groups selected from hydroxy, halo, R^9, or R^{10};

Each R^7 is independently H, C_1-C_{10}alkyl, C_2-C_{10}alkenyl, C_3-C_{10}alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{12}cycloalkenyl, phenyl(C_1-C_4)alkyl, 6 memberedmonocyclic heteroaryl(C_1-C_4)alkyl having nitrogen as a heteroatom, phenyl, 6 membered monocyclic heterocycloalkyl having nitrogen as a heteroatom or 5 membered monocyclic heteroaryl having oxygen as a heteroatom, wherein the C_1-C_{10}alkyl, C_2-C_{10}alkenyl, C_3-C_{10}alkynyl, C_3-C_{12}cycloalkyl, C_5-C_{12}cycloalkenyl, phenyl(C_1-C_4)alkyl, 6 membered monocyclic heteroaryl(C_1-C_4)alkyl having nitrogen as a heteroatom, phenyl, 6 membered monocyclic heterocycloalkyl having nitrogen as a heteroatom or 5 membered monocyclic heteroaryl having oxygen as a heteroatomis optionally and independently substituted with 1-4 groups selected from alkyl, halo, amino, hydroxy, or R^{10};

Each R^8 is independently $C(O)R^7$, $C(O)OR^7$, $C(O)NR^7R^7$, or $S(O)_nR^7$, wherein n is 1 or 2;

Each R^9 is independently CF_3, SR^7, OR^7, NR^7R^7, $NR^{11}R^{12}$, $C(O)NR^7R^7$, $C(O)NR^{11}R^{12}$, $S(O)_nNR^7R^7$, or $S(O)_nR^7$, wherein each n is independently 1 or 2;

Each R^{10} is $C(O)O(C_1\text{-}C_6)$alkyl, or halo$(C_1\text{-}C_4)$alkyl; and

R^{11} and R^{12}, taken together with the nitrogen atom to which they are bonded form:

i) a 3-8 membered saturated or partially saturated ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 3-8 membered saturated or partially saturated ring is optionally and independently substituted with 1-4 groups selected from R^{5a}, halo, CF_3, SR^7, OR^7, $OC(O)R^7$, $O(CH_2)_nNR^7R^7$, $O(CH_2)_nR^7$, $O(CH_2)_nC(O)NR^7R^7$, NR^7R^7, NR^7R^8, $NHC(O)NH_2$, $C(O)OR^7$, NO_2, CN, $C(O)R^7$, OSO_2CH_3, $S(O)_nR^7$, $S(O)_nNR^7R^7$, $NR^7C(O)NR^7R^7$, $NR^7C(O)R^7$, $NR^7C(O)OR^7$, or $NR^7S(O)_nR^7$wherein each n is independently 1 or 2at one or more substitutable carbon atoms;

ii) a 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone or sulfoxide, and wherein said 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^{5a}, halo, CF_3, SR^7, OR^7, $OC(O)R^7$, $O(CH_2)_nNR^7R^7$, $O(CH_2)_nR^7$, $O(CH_2)_nC(O)NR^7R^7$, NR^7R^7, NR^7R^8, $NHC(O)NH_2$, $C(O)OR^7$, NO_2, CN, $C(O)R^7$, OSO_2CH_3, $S(O)_nR^7$, $S(O)_nNR^7R^7$, $NR^7C(O)NR^7R^7$, $NR^7C(O)R^7$, $NR^7C(O)OR^7$, or $NR^7S(O)_nR^7$ wherein each n is independently 1 or 2 at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a};

iii) a 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom is optionally substituted with 1-4 groups independently selected from R^{5a}, halo, CF_3, SR^7, OR^7, $OC(O)R^7$, $O(CH_2)_nNR^7R^7$, $O(CH_2)_nR^7$, $O(CH_2)_nC(O)NR^7R^7$, NR^7R^7, NR^7R^8, $NHC(O)NH_2$, $C(O)OR^7$,

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NO_2, CN, $C(O)R^7$, OSO_2CH_3, $S(O)_nR^7$, $S(O)_nNR^7R^7$, $NR^7C(O)NR^7R^7$, $NR^7C(O)R^7$, $NR^7C(O)OR^7$, or $NR^7S(O)_nR^7$ wherein each n is independently 1 or 2 at one or more substitutable carbon atoms; or

iv) a 6-14 membered saturated or partially saturated bridgedring having 1-3 heteroatoms in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone, or sulfoxide, and wherein said 6-14 membered saturated or partially saturated bridgedring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^{5a}, halo, CF_3, SR^7, OR^7, $OC(O)R^7$, $O(CH_2)_nNR^7R^7$, $O(CH_2)_nR^7$,$O(CH_2)_nC(O)NR^7R^7$, NR^7R^7, NR^7R^8, $NHC(O)NH_2$, $C(O)OR^7$, NO_2, CN, $C(O)R^7$, OSO_2CH_3, $S(O)_nR^7$, $S(O)_nNR^7R^7$, $NR^7C(O)NR^7R^7$, $NR^7C(O)R^7$, $NR^7C(O)OR^7$, or $NR^7S(O)_nR^7$ wherein each n is independently 1 or 2 at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a};

or a pharmaceutically acceptable salt thereof.

2. The compound of Claim 1, wherein R^2 is a 5-6 membered monocyclic aryl or heteroaryl having 0-3 heteroatoms independently selected from nitrogen, oxygen, or sulfur optionally and independently substituted with 1-4 R^5 or R^{5a} groups.

3. The compound of Claim 2, wherein the 5-6 membered monocyclic aryl or heteroarylis phenyl or pyrimidinyl optionally and independently substituted with 1, 2, or 3 groups selected from methyl, ethyl, phenyl, isoprophyl, methoxy, hydroxyethoxy, CF_3, OC_6H_5, $OCH_2CH_2NR^{11}R^{12}$, $OCH_2CH_2NR^7R^7$,$OCH_2C_6H_5$, $OCH_2C(O)NR^{11}R^{12}$, $OCH_2C(O)NR^7R^7$, OSO_2CH_3, SO_2CH_3, SO_2NHCH_3, or $NR^{11}R^{12}$.

4. The compound of Claim 1, wherein R^4 is $(CH_2)_nNR^{11}R^{12}$, and R^{11} and R^{12}, taken together with the nitrogen atom to which they are bonded form:

i) a 3-8 membered saturated or partially saturated ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein

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said 3-8 membered saturated or partially saturated ring is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms;

ii) a 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone or sulfoxide, and wherein said 5-8 membered saturated or partially saturated ring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a};

iii) a 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 9-10 membered saturated or partially saturated bicyclic ring having no heteroatom is optionally substituted with 1-4 groups independently selected from R^5 or R^{5a} at one or more substitutable carbon atoms;

iv) a 9-10 membered saturated or partially saturated bicyclic ring having 1-5 heteroatoms, in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfoxide, sulfone, carboxamide or sulfoxamide; or

v) a 6-14 membered saturated or partially saturated bridgedring having 1-3 heteroatoms in addition to the nitrogen atom to which R^{11} and R^{12} are bonded, wherein said 1-3 heteroatoms are independently selected from nitrogen, oxygen, sulfur, sulfone, or sulfoxide, and wherein said 6-14 membered saturated or partially saturated bridgedring having 1-3 heteroatoms is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms and at one or more substitutable nitrogen atoms with R^6 or R^{6a}.

5. The compound of Claim 4, wherein R^{11} and R^{12}, taken together with the nitrogen atom to which they are bonded form a 3-8 membered saturated or partially saturated ring having no heteroatom other than the nitrogen atom to which R^{11} and R^{12} are

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bonded, wherein said 3-8 membered ring is optionally and independently substituted with 1-4 groups selected from R^5 or R^{5a} at one or more substitutable carbon atoms.

6. The compound of Claim 5, wherein the 3-8 membered saturated or partially saturated ring is a 4-6 membered ring selected from azetidinyl, pyrrolidinyl, or piperidinyl optionally and independently substituted with 1-2 groups selected from hydroxy, halo, $OC(O)R^7$, CH_2OH, CH_2CH_2OH, NH_2, NR^7R^7, $NHC(O)NHR^7$, $NHSO_2R^7$, $C(O)OR^7$, or $C(O)NHR^7$ at one or more substitutable carbon atoms.

7. A compound selected from:

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoro pyrimidin-4-yl)-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methanol;

(1-(2-(3,5-dimethyl phenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(1-(2-(2,3-dihydro-*1H*-inden-5-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethyl-4-(2-(pyrrolidin-1-yl)ethoxy)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethyl-4-phenoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

2-(4-(5-fluoro-4-(3-(hydroxymethyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)ethanol;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-bis(trifluoromethyl)phenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(5-fluoro-2-(naphthalene-2-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(5-chloro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(4-cyclopropyl-1-(5- methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

(4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methanol;

2-(4-(4-(3-(hydroxyl methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl pyrimidin-2-ylamino)-2,6-dimethoxyphenoxy)ethanol;

2-(4-(4-(4-(3-(hydroxylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl pyrimidin-2-ylamino)-2-methylphenyl)piperazin-1-yl)ethanol;

(*S*)-1-(4-(4-(3-(hydroxylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl pyrimidin-2-ylamino)-2-methylphenyl)pyrrolidin-3-ol;

(1-(5-fluoro-2-(4-(methylsulfonyl)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-(trifluoromethyl)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methanol;

(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-phenyl-*1H*-pyrrol-3-yl)methanol;

(1-(5-fluoro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-(furan-3-yl)-*1H*-pyrrol-3-yl)methanol;

1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-*N*-(2-hydroxyethyl)-N,3-dimethyl-*1H*-pyrazole-4-carboxamide;

1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-*N,N*-bis(2-hydroxyethyl)-3-methyl-*1H*-pyrazole-4-carboxamide;

(*S*)-(1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)(3-hydroxypyrrolidin-1-yl)methanone;

(*R*)-(1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)(3-hydroxypyrrolidin-1-yl)methanone;

N-(2-aminoethyl)-1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-3-(trifluoromethyl)-*1H*-pyrazole-4-carboxamide;

1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*N*-(3,5-dimethyl phenyl)-*1H*-pyrazole-4-carboxamide;

(1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrazol-4-yl)(piperidin-1-yl)methanone;

(*S*)-1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*N*-(1-hydroxy propan-2-yl)-3-methyl-*1H*-pyrazole-4-carboxamide;

N-benzyl-1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrazole-4-carboxamide;

(*R*)-(1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)(3-hydroxypyrrolidin-1-yl)methanone;

2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methylamino)ethanol;

2-(4-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)ethanol;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((4-cyclopropyl-1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

4-(4-((benzylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)pyrimidin-2-amine;

4-(4-(3-((3-hydroxyazetidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenyl methanesulfonate;

(*R*)-4-(4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-*N*,2-dimethylbenzenesulfonamide;

(*R*)-1-((1-(2-(3,5-dimethyl-4-(2-(pyrrolidin-1-yl)ethoxy)phenyl amino)pyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)pyrrolidin-3-ol;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidine-3-carboxylic acid;

(*R*)-1-((1-(2-(3,5-dimethyl-4-phenoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

(*R*)-1-(1-((1-(2-(3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-yl)urea;

1-((4-methyl-1-(2-(2-methylbiphenyl-4-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((1-(2-(2,3-dihydro-*1H*-inden-5-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol1-((4-methyl-1-(2-(1-methyl-*1H*-indol-5-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

(*R*)-1-((4-methyl-1-(2-(1-methyl-*1H*-indol-5-ylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl) pyrrolidin-3-ol;

4-(3-((4,4-difluoropiperidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)pyrimidin-2-amine;

(*R*)-2-(4-(4-(4-((3-hydroxypyrrolidin-1-yl)methyl)-3-methyl-*1H*-pyrazol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

2-(4-(4-(4-((3-hydroxyazetidin-1-yl)methyl)-3-methyl-*1H*-pyrazol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(pyrrolidin-1-ylmethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(pyrrolidin-1-ylmethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

(*S*)-2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl amino)propan-1-ol;

4-(4-((cyclopropylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

4-(4-((cyclohexylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(piperidin-1-ylmethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(morpholinomethyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((phenylamino)methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

4-(4-((3,4-dihydroisoquinolin-2(*1H*)-yl)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethyl phenyl)-5-fluoropyrimidin-2-amine;

4-(4-((benzyl(methyl)amino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoro pyrimidin-2-amine;

N^{1}-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)ethane-1,2-diamine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(4-((4-fluorophenethylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((pyridin-4-ylmethylamino)methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)pyrrolidin-3-ol;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)pyrrolidin-3-ol;

1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl)piperidin-4-ol;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(piperidin-1-ylmethyl)-*1H*-pyrrol-1-yl)pyrimidin-2-amine;

1-((3-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrazol-4-yl)methyl)azetidin-3-ol;

2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-3-methyl-*1H*-pyrazol-4-yl)methyl amino)ethanol;

4-(4-((benzylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((4-methylpiperazin-1-yl)methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine;

4-(4-((dimethylamino)methyl)-3-methyl-*1H*-pyrazol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-((piperidin-4-ylamino) methyl)-*1H*-pyrazol-1-yl)pyrimidin-2-amine trihydrochloride;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-(3-sulfonylpyrrolidin-1-ylmethyl)-*1H*-pyrrol-1-yl)pyrimidin-2-amine;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

N-(3,5-dimethylphenyl)-5-fluoro-4-(3-methyl-4-(morpholinomethyl)-*1H*-pyrrol-1-yl)pyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) pyrrolidin-3-ol;

1-((1-(2-(3,4-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

(*R*)-2-(4-(5-fluoro-4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

3-(4-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)-3-oxopropanenitrile;

(*R*)-4-(3-((3-aminopyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

1-((1-(5-fluoro-2-(naphthalen-2-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((1-(2-(4-(benzyloxy)-3,5-dimethoxyphenylamino)-5-methylpyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

(*R*)-4-(5-fluoro-4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenyl methanesulfonate;

(*R*)-1-((1-(5-fluoro-2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-yl acetate;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-yl pivalate;

1-((4-cyclopropyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)urea;

4-(3-((1,4-diazepan-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methyl-*N*-(3,4,5-trimethoxyphenyl)pyrimidin-2-amine trihydrochloride;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) pyrrolidin-3-ol;

2,2-dimethyl-1-(4-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)-1,4-diazepan-1-yl)propan-1-one;

(*S*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

(*S*)-2-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methylamino)propan-1-ol;

4-(3-((benzylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethoxyphenyl)-5-fluoro pyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

4-(3-((dimethylamino)methyl)-4-(furan-3-yl)-*1H*-pyrrol-1-yl)-5-fluoro-*N*-(3,4,5-trimethoxyphenyl)pyrimidin-2-amine;

1-((1-(2-(3,5-dimethoxyphenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) piperidin-4-ol;

N-(3,5-dimethoxyphenyl)-4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(5-fluoro-2-(3-(trifluoromethyl)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(5-fluoro-2-(3-(trifluoromethyl)phenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl) methyl)piperidin-4-ol;

2-(4-((1-(5-chloro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)ethanol;

1-((1-(5-chloro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

1-((1-(5-chloro-2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-methylpyrimidin-2-amine;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-methylpyrimidin-2-amine;

1-((1-(2-(3,5-dimethylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

2-(4-((1-(2-(4-(4-(2-hydroxyethyl)piperazin-1-yl)-3-methylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperazin-1-yl)ethanol;

4-((1-(2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)-*N*-methyl-1,4-diazepane-1-carboxamide;

4-((1-(2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)-1,4-diazepane-1-carboxamide;

1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

(1-((4-methyl-1-(5-methyl-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)piperidin-4-yl)methanol;

1-((1-(2-(3,5-dimethyl-4-(2(pyrrolidin-1-yl)ethoxy)phenylamino)-5-methylpyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl) azetidin-3-ol;

2-(4-(4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methylpyrimidin-2-ylamino)-2,6-dimethylphenoxy)ethanol;

(*R*)-1-((1-(5-fluoro-2-(4-(2-hydroxyethoxy)-3,5-dimethylphenylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-fluoro-*N*-(3-(trifluoromethyl)phenyl) pyrimidin-2-amine;

2-(4-(5-fluoro-4-(3-((3-hydroxyazetidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-(pyrrolidin-1-yl)ethanone;

(*R*)-1-((1-(2-(3,5-dimethylphenyl amino)-5-(trifluoromethyl) pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(5-fluoro-2-(3,4,5-trimethoxyphenylamino)pyrimidin-4-yl)-4-(furan-3-yl)-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol;

4-(3-((dimethylamino)methyl)-4-phenyl-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-4-phenyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

N-(3,5-bis(trifluoromethyl)phenyl)-4-(3-((dimethylamino)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-bis(trifluoromethyl)phenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

1-((1-(2-(3,5-bis(trifluoromethyl)phenylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)piperidin-4-ol;

4-(3-((dimethylamino)methyl)-*1H*-pyrrol-1-yl)-*N*-(3,5-dimethylphenyl)-5-fluoropyrimidin-2-amine;

(*R*)-1-((1-(2-(3,5-dimethylphenylamino)-5-fluoropyrimidin-4-yl)-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol;

4-(3-(2,5-diazabicyclo[2.2.1]heptan-2-ylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-bromo-N-(3,4,5-trimethoxyphenyl)pyrimidin-2-aminetrihydrochloride;

(*R*)-2-(4-(5-fluoro-4-(3-((3-hydroxypyrrolidin-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)pyrimidin-2-ylamino)-2,6-dimethylphenoxy)-1-morpholinoethanone;

2-(4-(4-(3-(2,5-diazabicyclo[2.2.1]heptan-2-ylmethyl)-4-methyl-*1H*-pyrrol-1-yl)-5-methylpyrimidin-2-ylamino)-2,6-dimethylphenoxy)ethanoltrihydrochloride;

4-(3-((1,4-diazepan-1-yl)methyl)-4-methyl-*1H*-pyrrol-1-yl)-5-chloro-N-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)pyrimidin-2-amine;

1-((1-(5-chloro-2-(2,3-dihydrobenzo[b][1,4]dioxin-6-ylamino)pyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)azetidin-3-ol; or

(*R*)-1-((1-(2-(4,6-dimethylpyrimidin-2-ylamino)-5-fluoropyrimidin-4-yl)-4-methyl-*1H*-pyrrol-3-yl)methyl)pyrrolidin-3-ol.

8. A pharmaceutical formulation comprising a compound of Claim 1 in combination with a pharmaceutically acceptable carrier, diluent or excipient.

9. The compound of claim 1, wherein X is CH.

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