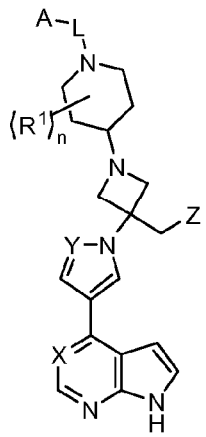
entirety). Alternatively, bone density and architecture may be evaluated in control or compound treated rodents in models of therapy (e.g. glucocorticoid) induced osteopenia (Yao, et al. Arthritis and Rheumatism, 2008, 58(6), 3485-3497; and *id.* 58(11), 1674-1686, both of which are incorporated herein by reference in its entirety). In addition, the effects of compounds on bone resorption and density may be evaluable in the rodent models of arthritis discussed above (Example E). Endpoints for all these models may vary but often include histological and radiological assessments as well as immunohisotology and appropriate biochemical markers of bone remodeling.

Various modifications of the invention, in addition to those described herein, will be apparent to those skilled in the art from the foregoing description. Such modifications are also intended to fall within the scope of the appended claims. Each reference, including all patent, patent applications, and publications, cited in the present application is incorporated herein by reference in its entirety.

WHAT IS CLAIMED IS:

1. A compound of Formula (I):



I

or a pharmaceutically acceptable salt thereof; wherein:

X is N or CR^2;

Y is N or CR^3;

Z is H, cyano, halo, C_{1-3} alkyl, or C_{1-3} haloalkyl;

L is $C(R^4)_2$, C(=O), $C(=O)N(R^{4a})$, $C(=O)C(R^{4b})_2$, $S(=O)_2$, C(=O)O, $C(=O)OC(R^{4b})_2$ or $C(=O)N(R^{4a})C(R^{4b})_2$;

A is C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, or C_{1-14} heteroaryl; wherein said C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, and C_{1-14} heteroaryl are each optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups;

each R^1 is, independently, C_{1-4} alkyl, hydroxyl, C_{1-4} alkoxy, fluoro, hydroxyl-C_{1-4} alkyl, or C_{1-4} alkoxy-C_{1-4} alkyl; or

two R^1 groups together form a 2- or 3-carbon bridge or a bridge of formula $-CH_2-O-CH_2-$;

R^2 is H, halo, hydroxyl, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, or C_{1-4} alkoxy;

R^3 is H, cyano, nitro, halo, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, or C_{1-6} alkoxycarbonyl;

each R^4 is, independently, H or C_{1-4} alkyl; or

two R^4 groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

R^{4a} is H or C_{1-4} alkyl;

each R^{4b} is, independently, H or C_{1-4} alkyl; or

two R^{4b} groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

each R^5 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $C(=NR^e)R^b$, $C(=NR^e)NR^cR^d$, $NR^cC(=NR^e)NR^cR^d$, $NR^cS(O)R^b$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)R^b$, $S(O)NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^6 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^{a1}, SR^{a1}, $C(O)R^{b1}$, $C(O)NR^{c1}R^{d1}$, $C(O)OR^{a1}$, $OC(O)R^{b1}$, $OC(O)NR^{c1}R^{d1}$, $C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}R^{d1}$, $NR^{c1}C(O)R^{b1}$, $NR^{c1}C(O)OR^{a1}$, $NR^{c1}C(O)NR^{c1}R^{d1}$, $NR^{c1}S(O)R^{b1}$, $NR^{c1}S(O)_2R^{b1}$, $NR^{c1}S(O)_2NR^{c1}R^{d1}$, $S(O)R^{b1}$, $S(O)NR^{c1}R^{d1}$, $S(O)_2R^{b1}$, or $S(O)_2NR^{c1}R^{d1}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted by 1, 2, 3, 4, or 5 independently selected R^h groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10}

heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

or any R^c and R^d together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, and C_{1-6} alkoxycarbonyl;

each R^e is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected $R^{g'}$ groups;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, and C_{1-6} alkylcarbonylamino;

each R^{e1} is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^g, $R^{g'}$, and R^h is, independently, halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, or C_{1-6} alkylcarbonylamino; and

n is 0, 1, 2, 3, or 4.

2. A compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

Z is H, cyano, halo, C_{1-3} alkyl, or C_{1-3} haloalkyl;

L is $C(R^4)_2$, C(=O), $C(=O)N(R^{4a})$, $C(=O)C(R^{4b})_2$, or $S(=O)_2$;

A is C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, or C_{1-14} heteroaryl; wherein said C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, and C_{1-14} heteroaryl are each optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups;

each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups together form a 2- or 3-carbon bridge;

R^2 is H, halo, hydroxyl, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, or C_{1-4} alkoxy;

R^3 is H, cyano, nitro, halo, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, or C_{1-6} alkoxycarbonyl;

each R^4 is, independently, H or C_{1-4} alkyl; or

two R^4 groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

R^{4a} is H or C_{1-4} alkyl;

each R^{4b} is, independently, H or C_{1-4} alkyl; or

two R^{4b} groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

each R^5 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $C(=NR^e)R^b$, $C(=NR^e)NR^cR^d$, $NR^cC(=NR^e)NR^cR^d$, $NR^cS(O)R^b$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)R^b$, $S(O)NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^6 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^{a1}, SR^{a1}, $C(O)R^{b1}$, $C(O)NR^{c1}R^{d1}$, $C(O)OR^{a1}$, $OC(O)R^{b1}$, $OC(O)NR^{c1}R^{d1}$, $C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}R^{d1}$, $NR^{c1}C(O)R^{b1}$, $NR^{c1}C(O)OR^{a1}$, $NR^{c1}C(O)NR^{c1}R^{d1}$, $NR^{c1}S(O)R^{b1}$, $NR^{c1}S(O)_2R^{b1}$, $NR^{c1}S(O)_2NR^{c1}R^{d1}$, $S(O)R^{b1}$, $S(O)NR^{c1}R^{d1}$, $S(O)_2R^{b1}$, or $S(O)_2NR^{c1}R^{d1}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted by 1, 2, 3, 4, or 5 independently selected R^h groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10}

heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

or any R^c and R^d together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, and C_{1-6} alkoxycarbonyl;

each R^e is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected $R^{g'}$ groups;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, and C_{1-6} alkylcarbonylamino;

each R^{e1} is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^g, $R^{g'}$, and R^h is, independently, halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, or C_{1-6} alkylcarbonylamino; and

n is 0, 1, 2, 3, or 4.

3. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is N.

4. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is CR^2.

5. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is C(H), C(F), or C(CN).

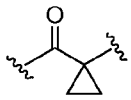
6. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is CH.

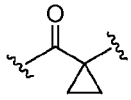
7. The compound according to any one of claims 1 to 6, or a pharmaceutically acceptable salt thereof, wherein Y is N.

8. The compound according to any one of claims 1 to 6, or a pharmaceutically acceptable salt thereof, wherein Y is CR^3.

9. The compound according to any one of claims 1 to 6, or a pharmaceutically acceptable salt thereof, wherein Y is CH.

10. The compound according to any one of claims 1 to 9, or a pharmaceutically acceptable salt thereof, wherein Z is cyano.

11. The compound according to any one of claims 1 to 10, or a pharmaceutically acceptable salt thereof, wherein L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or .

12. The compound according to any one of claims 1 to 10, or a pharmaceutically acceptable salt thereof, wherein L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, , C(=O)O, or $C(=O)CH_2$.

13. The compound according to any one of claims 1 to 12, or a pharmaceutically acceptable salt thereof, wherein n is 0, 1, or 2.

14. The compound according to any one of claims 1 to 12, or a pharmaceutically acceptable salt thereof, wherein n is 0.

15. The compound according to any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, wherein R^1 is C_{1-4} alkyl.

16. The compound according to any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, wherein R^1 is methyl.

17. The compound according to any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, wherein two R^1 groups form a 2-carbon bridge.

18. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is C_{6-14} aryl, which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

19. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is phenyl, which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups.

20. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is monocyclic C_{3-9} cycloalkyl or bicyclic C_{3-9} cycloalkyl, each of which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

21. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is monocyclic C_{2-10} heterocycloalkyl or bicyclic C_{2-10} heterocycloalkyl, each of which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

22. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is monocyclic C_{1-10} heteroaryl or bicyclic C_{1-10} heteroaryl, each of which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

23. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is C_{1-6} alkyl.

24. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic or bicyclic C_{3-10} cycloalkyl, monocyclic or bicyclic C_{2-10} heterocycloalkyl, or monocyclic or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups.

25. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic

C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups.

26. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is methyl, ethyl, isopropyl, phenyl, a naphthalene ring, a pyridine ring, a pyrimidine ring, a thiophene ring, a pyrazine ring, an oxazole ring, an isoxazole ring, an imidazole ring, a thiazole ring, a furan ring, a pyrazole ring, a quinoline ring, a benzothiophene ring, a benzothiazole ring, a benzoimidazole ring, a benzofuran ring, cyclopropyl, cyclopentyl, cyclohexyl, cycloheptyl, an indene ring, a tetrahydronaphthalene ring, dihydro-1,4-benzodioxoxine ring, or a piperidine ring; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups, as permitted by valency.

27. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is phenyl or a pyridine ring; each of which are optionally substituted with 1, 2, 3, or 4 independently selected R^5 groups.

28. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is pyridin-4-yl; which is optionally substituted with 1, 2, 3, or 4 independently selected R^5 groups.

29. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein wherein each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups.

30. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein each R^5 is, independently, chloro, fluoro, bromo, cyano, methyl, ethyl, trifluoromethyl, hydroxyl, methoxy, trifluoromethoxy, difluoromethoxy, phenoxy, dimethylamino, t-butylcarbonylamino, methoxycarbonyl, methylthio, phenyl, a pyridine ring, a thiazole ring, a quinoline ring, an isoquinoline ring, an imidazo[1,2-a]pyrimidine ring, a benzoxazole ring, or an oxadiazole ring; wherein said phenyl, pyridine ring, thiazole ring, quinoline ring, isoquinoline ring, imidazo[1,2-a]pyrimidine ring, benzoxazole ring, and oxadiazole ring are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups.

31. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein:

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, or $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{1-6} haloalkyl, or C_{6-10} aryl; wherein said C_{1-6} alkyl and C_{6-10} aryl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

each R^6 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, OR^{a1}, $NR^{c1}R^{d1}$, or $OC(O)R^{b1}$; and

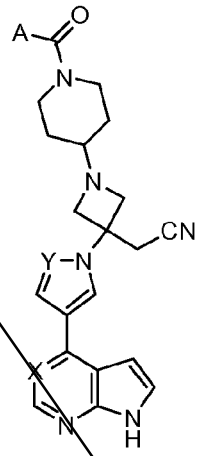
each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H or C_{1-6} alkyl; wherein said C_{1-6} alkyl is optionally substituted with a substituent independently selected from C_{1-4} alkoxy and hydroxyl;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group, optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo.

32. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein each R^5 is, independently, halo or C_{1-6} haloalkyl.

33. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein each R^5 is, independently, fluoro or trifluoromethyl.

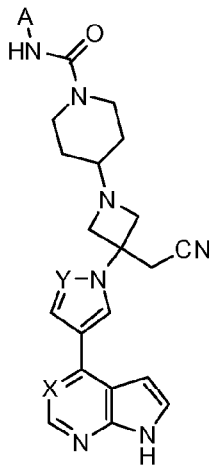
34. The compound according to any one of claims 1 to 9 and 18 to 33, having Formula (II):



II

or a pharmaceutically acceptable salt thereof.

35. The compound according to any one of claims 1 to 9 and 18 to 33, having Formula (III):



III

or a pharmaceutically acceptable salt thereof.

36. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

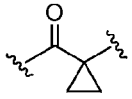
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or ;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $NR^cS(O)R^b$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)R^b$, $S(O)NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$, wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

37. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

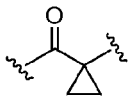
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or ;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{2-10} heterocycloalkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

38. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

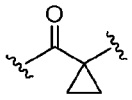
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{2-10} heterocycloalkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

39. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

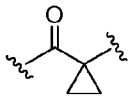
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl,

monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

and

n is 0, 1, or 2.

40. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

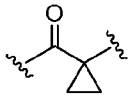
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is $C(=O)NH$, $C(=O)$, $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

and

n is 0, 1, or 2.

41. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

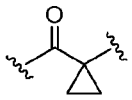
each R^1 is, independently, methyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or ;

A is methyl, ethyl, isopropyl, phenyl, a naphthalene ring, a pyridine ring, a pyrimidine ring, a thiophene ring, a pyrazine ring, an oxazole ring, an isoxazole ring, an imidazole ring, a thiazole ring, a furan ring, a pyrazole ring, a quinoline ring, a benzothiophene ring, a benzothiazole ring, a benzoimidazole ring, a benzofuran ring, cyclopropyl, cyclopentyl, cyclohexyl, cycloheptyl, an indene ring, a tetrahydronaphthalene ring, dihydro-1,4-benzodioxoxine ring, or a piperidine ring; each of which are optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups, as permitted by valency;

each R^5 is, independently, chloro, fluoro, bromo, cyano, methyl, ethyl, trifluoromethyl, hydroxyl, methoxy, trifluoromethoxy, difluoromethoxy, phenoxy, dimethylamino, t-butylcarbonylamino, methoxycarbonyl, methylthio, phenyl, a pyridine ring, a thiazole ring, a quinoline ring, an isoquinoline ring, an imidazo[1,2-a]pyrimidine ring, a benzoxazole ring, or an oxadiazole ring; wherein said phenyl, pyridine ring, thiazole ring, quinoline ring, isoquinoline ring, imidazo[1,2-a]pyrimidine ring, benzoxazole ring, and oxadiazole ring are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

42. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

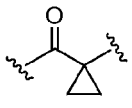
each R^1 is, independently, methyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or ;

A is phenyl, a naphthalene ring, a pyridine ring, a pyrimidine ring, a thiophene ring, a pyrazine ring, an oxazole ring, an isoxazole ring, an imidazole ring, a thiazole ring, a furan ring, a pyrazole ring, a quinoline ring, a benzothiophene ring, a benzothiazole ring, a benzoimidazole ring, a benzofuran ring, cyclopropyl, cyclopentyl, cyclohexyl, cycloheptyl, an indene ring, a tetrahydronaphthalene ring, dihydro-1,4-benzodioxoxine ring, or a piperidine ring; each of which are optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups;

each R^5 is, independently, chloro, fluoro, bromo, cyano, methyl, ethyl, trifluoromethyl, hydroxyl, methoxy, trifluoromethoxy, difluoromethoxy, phenoxy, dimethylamino, t-butylcarbonylamino, methoxycarbonyl, methylthio, phenyl, a pyridine ring, a thiazole ring, a quinoline ring, an isoquinoline ring, an imidazo[1,2-a]pyrimidine ring, a benzoxazole ring, or an oxadiazole ring; wherein said phenyl, pyridine ring, thiazole ring, quinoline ring, isoquinoline ring, imidazo[1,2-a]pyrimidine ring, benzoxazole ring, and oxadiazole ring are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

43. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is $S(=O)_2$;

A is C_{1-6} alkyl; and

n is 0, 1, or 2.

44. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CH;

Y is N;

Z is cyano;

L is C(=O) or C(=O)NH;

A is phenyl or a pyridine ring, each of which is optionally substituted with 1, 2, 3, or 4 independently selected R^5 groups;

each R^5 is, independently, halo or C_{1-6} haloalkyl; and

n is 0.

45. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CH;

Y is N;

Z is cyano;

L is C(=O) or C(=O)NH;

A is phenyl or pyridin-4-yl, each of which is optionally substituted with 1 or 2 independently selected R^5 groups;

each R^5 is, independently, fluoro or trifluoromethyl; and

n is 0.

46. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

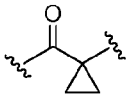
each R^1 is, independently, C_{1-4} alkyl, hydroxyl, C_{1-4} alkoxy, or fluoro;

two R^1 groups together form a 2- or 3-carbon bridge or a bridge of formula -CH_2-O-CH_2-;

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$,  C(=O)O, or $C(=O)OCH_2$;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

n is 0, 1, or 2;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, or $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{1-6} haloalkyl, or C_{6-10} aryl; wherein said C_{1-6} alkyl and C_{6-10} aryl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

each R^6 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, OR^{a1}, $NR^{c1}R^{d1}$, or $OC(O)R^{b1}$; and

each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H or C_{1-6} alkyl; wherein said C_{1-6} alkyl is optionally substituted with a substituent independently selected from C_{1-4} alkoxy and hydroxyl;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group, optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo.

47. The compound according to claim 1, wherein the compound is selected from:

{1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-quinolin-6-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(3,4,5-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-3-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclohexylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-benzoylpiperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

{1-{1-[(6-chloropyridin-2-yl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(pyrazin-2-lcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-l}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(3-thienylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(1,3-oxazol-2-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[2-methyl-5-(trifluoromethyl)-1,3-oxazol-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-fluorobenzonitrile;

{1-[1-(3-chlorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-bromobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[3-(trifluoromethoxy)benzoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[3-(trifluoromethyl)benzoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

{1-{1-[3-fluoro-5-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-dichlorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-fluoro-3-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-5-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-chloro-5-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-bromo-5-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2,5-dichloro-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,4,5-trifluoro-3-methoxybenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-dimethoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-chloro-4-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,4-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-5-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-6-methoxyisonicotinoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(5-fluoro-2-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-6-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-fluoro-2-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,4-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,5-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,6-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-6-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,4-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,6-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,4,5-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,4,6-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-dibromo-4-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-{1-[3-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[4-chloro-6-(trifluoromethyl)pyridin-2-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,4,5-tetrafluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-methoxybenzonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,5,6-tetrafluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

{1-[1-(4-fluoro-3-hydroxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-(dimethylamino)benzonitrile;

{1-{1-[4-(dimethylamino)-2,3,5,6-tetrafluorobenzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluoroisonicotinoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-4-(methylthio)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-chloro-3-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-methylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,5-dimethyl-3-furoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-fluorobenzonitrile;

{1-[1-(2-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-thienylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-methoxy-5-(trifluoromethyl)-2-thienylcarbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-hydroxy-5-(trifluoromethyl)-2-thienylcarbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4-methoxy-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-methyl-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-chloro-4-methoxy-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-bromo-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-chloro-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-chloro-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-methyl-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4-methyl-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-methyl-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-methoxy-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3,5-difluorobenzonitrile;

{1-[1-(3-chloro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(1-naphthoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(quinolin-3-ylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(quinolin-6-ylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(1-benzothien-2-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-chloro-6-fluoro-1-benzothien-2-yl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-chloro-4-fluoro-1-benzothien-2-yl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)-1-benzothien-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)-1-benzothien-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[7-(trifluoromethyl)-1-benzothien-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(1-benzothien-3-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(1,2,3,4-tetrahydronaphthalen-2-ylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)cyclohexyl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(2,3-dihydro-1H-inden-2-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclopentylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cycloheptylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-methoxycyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4-phenylcyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[4-(4-chlorophenyl)cyclohexyl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

6-{4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]piperidin-1-yl}nicotinonitrile;

{1-(1-{[1-(5-chloro-3-fluoropyridin-2-yl)piperidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-{4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]piperidin-1-yl}-6-methylnicotinonitrile;

{1-[1-(phenylacetyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1-phenylcyclopropyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[1-(4-chlorophenyl)cyclopropyl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2,6-dichlorophenyl)acetyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(mesitylacetyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(biphenyl-4-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-6-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,6-difluoro-4-pyridin-3-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-pyridin-4-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2'-fluorobiphenyl-4-carbonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2',3-difluorobiphenyl-4-carbonitrile;

{1-[1-(2-fluoro-4-pyridin-3-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-fluoro-3-(1,3-thiazol-2-yl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-4-(1,3-thiazol-2-yl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-pyridin-3-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2'-fluorobiphenyl-2-carbonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2'-fluorobiphenyl-3-carbonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]biphenyl-4-carbonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[(2,3',4'-trifluorobiphenyl-4-yl)carbonyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2',5-difluorobiphenyl-3-carbonitrile;

{1-[1-(3-fluoro-4-quinolin-5-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-5-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-8-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-quinolin-8-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-7-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-quinolin-7-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-imidazo[1,2-a]pyridin-6-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-(1,3-benzoxazol-2-yl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-(1,3-benzoxazol-2-yl)-3-fluorobenzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(3-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-8-azabicyclo[3.2.1]oct-8-yl)carbonyl]-5-fluorobenzonitrile;

{1-[8-(3,4-difluorobenzoyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(3-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-8-azabicyclo[3.2.1]oct-8-yl)carbonyl]-2-fluorobenzonitrile;

{1-[8-(4-chloro-3-fluorobenzoyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{8-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]-8-azabicyclo[3.2.1]oct-3-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(8-{[6-(trifluoromethyl)pyridin-3-yl]carbonyl}-8-azabicyclo[3.2.1]oct-3-yl)azetidin-3-yl]acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{8-[2-(trifluoromethyl)isonicotinoyl]-8-azabicyclo[3.2.1]oct-3-yl}azetidin-3-yl)acetonitrile;

{1-[8-(cyclopentylcarbonyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[8-(tetrahydro-2H-pyran-4-ylcarbonyl)-8-azabicyclo[3.2.1]oct-3-yl]azetidin-3-yl}acetonitrile;

{1-[8-(cyclohexylcarbonyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{8-[(4,4-difluorocyclohexyl)carbonyl]-8-azabicyclo[3.2.1]oct-3-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]-2-methylpiperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)-4-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclohexylcarbonyl)-4-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-4-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,6-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-(trifluoromethoxy)phenyl]piperidine-1-carboxamide;

N-(4-bromo-3-thienyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,6-dichlorophenyl)piperidine-1-carboxamide;

N-(2-chloro-6-methylphenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(2-chloro-4-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(2-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-(difluoromethoxy)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

N-(5-chloro-2-methylphenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-fluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-fluoro-3-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,4-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,3,4-trifluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,3,5-trifluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,5-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3,5-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3,4-difluorophenyl)piperidine-1-carboxamide;

N-(3-chloro-2-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(4-chloro-2-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-3-thienylpiperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methoxyphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3-methoxyphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethoxy)phenyl]piperidine-1-carboxamide;

N-(3-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(4-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methylphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,5-dimethoxyphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(4-fluoro-2-methylphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[6-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,6-dimethylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-1,3-thiazol-2-ylpiperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(4-methyl-1,3-thiazol-2-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(4,5-dimethyl-1,3-thiazol-2-yl)piperidine-1-carboxamide;

N-1,3-benzothiazol-2-yl-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(1-methyl-1H-benzimidazol-2-yl)piperidine-1-carboxamide;

N-[4-(4-chlorophenyl)-1,3-thiazol-2-yl]-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(1-ethyl-1H-pyrazol-5-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(1,3-dimethyl-1H-pyrazol-5-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(6-fluoro-2-methylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-fluoro-6-methylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3-fluoropyridin-2-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3,5-difluoropyridin-2-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methoxypyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-methyl-6-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

methyl 2-{[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]amino}benzoate;

methyl 2-{[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]amino}-5-fluorobenzoate;

methyl 4-{[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]amino}-3-fluorobenzoate;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-[1-(3,5-dichlorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-chloro-5-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-3-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-6-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-chloroquinolin-3-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-4-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,4-difluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-6-methoxybenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-dichlorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-2-fluorobenzonitrile;

{1-{1-[4-(1,2,3-oxadiazol-4-yl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]benzonitrile;

6-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-2-methoxynicotinonitrile;

{1-{1-[(2,6-dibromopyridin-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-bromopyridin-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-6-fluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-chloro-2,6-difluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-2-fluorobenzonitrile;

{1-{1-[(5-methyl-3-phenylisoxazol-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[3-fluoro-2-(trifluoromethyl)pyridin-4-yl]methyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(1-benzofuran-2-ylmethyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-phenoxybenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-dihydro-1,4-benzodioxin-6-ylmethyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

N-{4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]pyridin-2-yl}-2,2-dimethylpropanamide;

{1-{1-[3-chloro-2-fluoro-6-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3,5-dichloropyridin-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-chloro-6-methoxyquinolin-3-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-3,4-dimethoxybenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(3-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-8-azabicyclo[3.2.1]oct-8-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-[8-(2-chloro-3,6-difluorobenzyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-2-methylpiperidin-1-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-2-methylpiperidin-1-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-[1-(2-chloro-6-fluorobenzyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-6-fluorobenzyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1-methyl-1H-pyrazol-5-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]benzonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]benzonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]-2-(dimethylamino)benzonitrile;

{1-{1-[(1-methyl-1H-pyrazol-3-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclohexylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclopentylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(methylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(ethylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclopropylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(isopropylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1-methyl-1H-imidazol-4-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1,2-dimethyl-1H-imidazol-4-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3,5-dimethylisoxazol-4-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-fluorobenzonitrile;

4-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3-fluorobenzonitrile;

4-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3,5-difluorobenzonitrile;

{1-{1-[5-fluoro-2-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

(3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-{1-[3-(trifluoromethyl)benzoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

{1-{1-[2-fluoro-5-(trifluoromethoxy)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-[1-(2,3,6-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-[1-(2-thienylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-5-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-5-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-fluoro-3-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,4-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,5-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,6-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-[1-(2,3,4-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-3-(trifluoromethoxy)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-hydroxy-3-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2-methoxypyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[2-methyl-6-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2,4-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2-cyanophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2-methoxyphenyl)piperidine-1-carboxamide;

N-(2-chloro-4-fluorophenyl)-4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(3-fluoropyridin-2-yl)piperidine-1-carboxamide;

N-(4-chloro-2-cyanophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

{1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3-fluorobenzonitrile;

{1-[1-(3-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[5-chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,4-difluorophenyl)piperidine-1-carboxamide;

N-(2-chloro-4-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methoxypyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-4-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-fluorophenyl)piperidine-1-carboxamide;

N-(2-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-cyano-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

N-(4-cyano-2-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(2-chloro-4-cyanophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

(3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]isophthalonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-fluorobenzonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3-fluorobenzonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-fluorobenzonitrile;

{1-{1-[(5-fluoropyridin-2-yl)carbonyl]piperidin-4-yl}-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoroisonicotinoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluoroisonicotinoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]terephthalonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-fluorobenzonitrile;

{1-{1-[5-chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridine-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-4-yl]piperidine-1-carboxamide;

4-[1-(3-(cyanomethyl)-1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)-1H-pyrazol-4-yl]-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-[1-(3-cyano-5-fluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-[1-(4-cyano-3-fluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-(1-{3-(cyanomethyl)-1-[1-(2,5-dibromobenzoyl)piperidin-4-yl]azetidin-3-yl}-1H-pyrazol-4-yl)-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-(1-{3-(cyanomethyl)-1-[1-(3,5-dibromobenzoyl)piperidin-4-yl]azetidin-3-yl}-1H-pyrazol-4-yl)-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(5-cyano-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]terephthalonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(5-cyano-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]isophthalonitrile;

4-{1-[1-[1-(4-cyano-2-fluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-[1-(4-cyano-2,6-difluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-{1-[5-chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

{1-{1-[5-Chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[5-Fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)-1,3-thiazol-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[3-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[3-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-(1-{[4-(trifluoromethyl)-1,3-thiazol-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[3-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(Methylsulfonyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(1H-Pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(1H-Pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)-1,3-thiazol-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(Methylsulfonyl)piperidin-4-yl]-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1Hpyrazol-1-yl]-1-[1-(methylsulfonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

4-[1-(3-(Cyanomethyl)-1-{1-[5-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)-1H-pyrazol-4-yl]-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile; and

4-(1-{3-(Cyanomethyl)-1-[1-(methylsulfonyl)piperidin-4-yl]azetidin-3-yl}-1H-pyrazol-4-yl)-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

or a pharmaceutically acceptable salt of any of the aforementioned.

48. The compound according to claim 1, wherein the compound is selected from:

cis-{1-{(3-Methoxy-1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(cis-3-Methoxy-1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{cis-3-Fluoro-1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(cis-3-Fluoro-1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]-4-deuteropiperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]3,3,4,5,5-pentadeuteropiperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{7-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]-3-oxa-7-azabicyclo[3.3.1]non-9-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[4-[(dimethylamino)methyl]-6-(trifluoromethyl)pyridin-2-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-isopropylpiperidine-1-carboxamide;

{1-{1-[6-[(dimethylamino)methyl]-3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-[(dimethylamino)methyl]benzonitrile;

{1-(1-{[6-[(dimethylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(methylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-(azetidin-1-ylmethyl)-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(diethylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[ethyl(methyl)amino]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{3-(difluoromethyl)-5-[(dimethylamino)methyl]benzoyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-(pyrrolidin-1-ylmethyl)-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(3S)-3-fluoropyrrolidin-1-yl]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(3R)-3-fluoropyrrolidin-1-yl]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(3,3-difluoropyrrolidin-1-yl)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(tert-butylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-

yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-(hydroxymethyl)-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(isopropylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(ethylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(2-methoxyethyl)(methyl)amino]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(3-hydroxypropyl)(methyl)amino]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

propyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

cyclobutylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

ethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

benzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

isobutyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

cyclopropylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

(1-methylcyclopropyl)methyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

2,4-difluorobenzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

3,4-difluorobenzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

3,5-difluorobenzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

cyclopentylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate; and

cyclohexylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

or a pharmaceutically acceptable salt of any of the aforementioned.

49. A compound according to claim 1, which is {1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile, or a pharmaceutically acceptable salt thereof.

50. A salt according to claim 49, which is {1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile adipic acid salt.

51. The salt according to claim 50, which is characterized by a melting point of about 178 °C.

52. The salt according to claim 50 or 51 having a differential scanning calorimetry thermogram which is characterized by an endothermic peak with an onset temperature of about 176 °C.

53. The salt according to claim 50 or 51, having a differential scanning calorimetry thermogram substantially as shown in Figure 1.

54. The salt according to any one of claims 50 to 53, having a thermal gravimetric analysis thermogram substantially as shown in Figure 2.

55. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 10.4.

56. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 6.9.

57. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 21.0.

58. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 23.3.

59. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 6.9, 10.4, 21.0, and 23.3.

60. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern substantially as shown in Figure 3.

61. A composition comprising a compound or salt according to any one of claims 1 to 60 and a pharmaceutically acceptable carrier.

62. A method of modulating an activity of JAK1 comprising contacting JAK1 with a compound or salt according to any one of claims 1 to 60.

63. A method according to claim 62, wherein said compound, or pharmaceutically acceptable salt thereof, is selective for JAK1 over JAK2.

64. A method of treating an autoimmune disease, a cancer, a myeloproliferative disorder, an inflammatory disease, a bone resorption disease, or organ transplant rejection in a patient in need thereof, comprising administering to said patient a therapeutically effective amount of a compound or salt according to any one of claims 1 to 60.

65. A method according to claim 64, wherein said autoimmune disease is a skin disorder, multiple sclerosis, rheumatoid arthritis, psoriatic arthritis, juvenile arthritis, type I diabetes, lupus, inflammatory bowel disease, Crohn's disease, myasthenia gravis, immunoglobulin nephropathies, myocarditis, or autoimmune thyroid disorder.

66. A method according to claim 64, wherein said autoimmune disease is rheumatoid arthritis.

67. A method according to claim 64, wherein said autoimmune disease is a skin disorder.

68. A method according to claim 67, wherein said skin disorder is atopic dermatitis, psoriasis, skin sensitization, skin irritation, skin rash, contact dermatitis or allergic contact sensitization.

69. A method according to claim 64, wherein said cancer is a solid tumor.

70. A method according to claim 64, wherein said cancer is prostate cancer, renal cancer, hepatic cancer, breast cancer, lung cancer, thyroid cancer, Kaposi's sarcoma, Castleman's disease or pancreatic cancer.

71. A method according to claim 64, wherein said cancer is lymphoma, leukemia, or multiple myeloma.

72. A method according to claim 64, wherein said myeloproliferative disorder is polycythemia vera (PV), essential thrombocythemia (ET), myeloid metaplasia with myelofibrosis (MMM), primary myelofibrosis (PMF), chronic myelogenous leukemia (CML), chronic myelomonocytic leukemia (CMML), hypereosinophilic syndrome (HES), idiopathic myelofibrosis (IMF), or systemic mast cell disease (SMCD).

73. A method according to claim 64, wherein said myeloproliferative disorder is myelofibrosis.

74. A method according to claim 64, wherein said myeloproliferative disorder is primary myelofibrosis (PMF).

75. A method according to claim 64, wherein said bone resorption disease is osteoporosis, osteoarthritis, bone resorption associated with hormonal imbalance, bone resorption associated with hormonal therapy, bone resorption associated with autoimmune disease, or bone resorption associated with cancer.

entirety). Alternatively, bone density and architecture may be evaluated in control or compound treated rodents in models of therapy (e.g. glucocorticoid) induced osteopenia (Yao, et al. Arthritis and Rheumatism, 2008, 58(6), 3485-3497; and *id.* 58(11), 1674-1686, both of which are incorporated herein by reference in its entirety). In addition, the effects of compounds on bone resorption and density may be evaluable in the rodent models of arthritis discussed above (Example E). Endpoints for all these models may vary but often include histological and radiological assessments as well as immunohisotology and appropriate biochemical markers of bone remodeling.

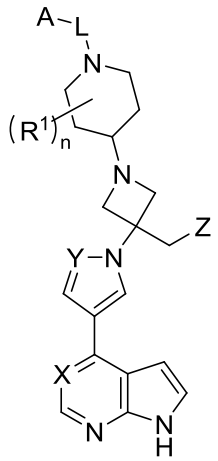
Various modifications of the invention, in addition to those described herein, will be apparent to those skilled in the art from the foregoing description. Such modifications are also intended to fall within the scope of the appended claims. Each reference, including all patent, patent applications, and publications, cited in the present application is incorporated herein by reference in its entirety.

Where the terms "comprise", "comprises", "comprised" or "comprising" are used in this specification, they are to be interpreted as specifying the presence of the stated features, integers, steps or components referred to, but not to preclude the presence or addition of one or more other feature, integer, step, component or group thereof.

Further, any prior art reference or statement provided in the specification is not to be taken as an admission that such art constitutes, or is to be understood as constituting, part of the common general knowledge in Australia.

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A compound of Formula (I):



I

or a pharmaceutically acceptable salt thereof; wherein:

X is N or CR^2;

Y is N or CR^3;

Z is H, cyano, halo, C_{1-3} alkyl, or C_{1-3} haloalkyl;

L is $C(R^4)_2$, C(=O), C(=O)N(R^{4a}), C(=O)C(R^{4b})$_2$, S(=O)$_2$, C(=O)O, C(=O)OC(R^{4b})$_2$ or C(=O)N(R^{4a})C(R^{4b})$_2$;

A is C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, or C_{1-14} heteroaryl; wherein said C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, and C_{1-14} heteroaryl are each optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups;

each R^1 is, independently, C_{1-4} alkyl, hydroxyl, C_{1-4} alkoxy, fluoro, hydroxyl-C_{1-4} alkyl, or C_{1-4} alkoxy-C_{1-4} alkyl; or

two R^1 groups together form a 2- or 3-carbon bridge or a bridge of formula -CH_2-O-CH_2-;

R^2 is H, halo, hydroxyl, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, or C_{1-4} alkoxy;

R^3 is H, cyano, nitro, halo, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, or C_{1-6} alkoxycarbonyl;

each R^4 is, independently, H or C_{1-4} alkyl; or

two R^4 groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

R^{4a} is H or C_{1-4} alkyl;

each R^{4b} is, independently, H or C_{1-4} alkyl; or

two R^{4b} groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

each R^5 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $C(=NR^e)R^b$, $C(=NR^e)NR^cR^d$, $NR^cC(=NR^e)NR^cR^d$, $NR^cS(O)R^b$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)R^b$, $S(O)NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^6 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^{a1}, SR^{a1}, $C(O)R^{b1}$, $C(O)NR^{c1}R^{d1}$, $C(O)OR^{a1}$, $OC(O)R^{b1}$, $OC(O)NR^{c1}R^{d1}$, $C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}R^{d1}$, $NR^{c1}C(O)R^{b1}$, $NR^{c1}C(O)OR^{a1}$, $NR^{c1}C(O)NR^{c1}R^{d1}$, $NR^{c1}S(O)R^{b1}$, $NR^{c1}S(O)_2R^{b1}$, $NR^{c1}S(O)_2NR^{c1}R^{d1}$, $S(O)R^{b1}$, $S(O)NR^{c1}R^{d1}$, $S(O)_2R^{b1}$, or $S(O)_2NR^{c1}R^{d1}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted by 1, 2, 3, 4, or 5 independently selected R^h groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

or any R^c and R^d together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, and C_{1-6} alkoxycarbonyl;

each R^e is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected $R^{g'}$ groups;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, and C_{1-6} alkylcarbonylamino;

each R^{e1} is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^g, $R^{g'}$, and R^h is, independently, halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, or C_{1-6} alkylcarbonylamino; and

n is 0, 1, 2, 3, or 4.

2. A compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

Z is H, cyano, halo, C_{1-3} alkyl, or C_{1-3} haloalkyl;

L is $C(R^4)_2$, C(=O), C(=O)N(R^{4a}), C(=O)C(R^{4b})$_2$, or S(=O)$_2$;

A is C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, or C_{1-14} heteroaryl; wherein said C_{1-6} alkyl, C_{3-14} cycloalkyl, C_{2-13} heterocycloalkyl, C_{6-14} aryl, and C_{1-14} heteroaryl are each optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups;

each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups together form a 2- or 3-carbon bridge;

R^2 is H, halo, hydroxyl, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, or C_{1-4} alkoxy;

R^3 is H, cyano, nitro, halo, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, or C_{1-6} alkoxycarbonyl;

each R^4 is, independently, H or C_{1-4} alkyl; or

two R^4 groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

R^{4a} is H or C_{1-4} alkyl;

each R^{4b} is, independently, H or C_{1-4} alkyl; or

two R^{4b} groups, together with the carbon atom to which they are attached, form a 3-, 4-, 5-, or 6-membered cycloalkyl ring;

each R^5 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $C(=NR^e)R^b$, $C(=NR^e)NR^cR^d$, $NR^cC(=NR^e)NR^cR^d$, $NR^cS(O)R^b$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)R^b$, $S(O)NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^6 is, independently, halo, cyano, nitro, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, halosulfanyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^{a1}, SR^{a1}, $C(O)R^{b1}$, $C(O)NR^{c1}R^{d1}$, $C(O)OR^{a1}$, $OC(O)R^{b1}$, $OC(O)NR^{c1}R^{d1}$, $C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}R^{d1}$, $NR^{c1}C(O)R^{b1}$, $NR^{c1}C(O)OR^{a1}$, $NR^{c1}C(O)NR^{c1}R^{d1}$, $NR^{c1}S(O)R^{b1}$, $NR^{c1}S(O)_2R^{b1}$, $NR^{c1}S(O)_2NR^{c1}R^{d1}$, $S(O)R^{b1}$, $S(O)NR^{c1}R^{d1}$, $S(O)_2R^{b1}$, or $S(O)_2NR^{c1}R^{d1}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted by 1, 2, 3, 4, or 5 independently selected R^h groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and

C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

or any R^c and R^d together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, and C_{1-6} alkoxycarbonyl;

each R^e is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, or C_{1-10} heteroaryl-C_{1-3} alkyl; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl is optionally substituted with 1, 2, 3, 4, or 5 independently selected $R^{g'}$ groups;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered heterocycloalkyl group or a heteroaryl group, each optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, and C_{1-6} alkylcarbonylamino;

each R^{e1} is, independently, H, C_{1-6} alkyl, CN, hydroxyl, C_{1-6} alkoxy, C_{1-6} alkylsulfonyl, carboxy, C_{1-6} alkylcarbonyl, aminosulfonyl, C_{1-6} alkylaminosulfonyl, di-C_{1-6} alkylaminosulfonyl, carbamyl, C_{1-6} alkylcarbamyl, or di-C_{1-6} alkylcarbamyl;

each R^g, $R^{g'}$, and R^h is, independently, halo, cyano, nitro, hydroxyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{1-6} haloalkyl, C_{1-6} alkoxy, C_{1-6} haloalkoxy, amino, C_{1-6} alkylamino, di-C_{1-6} alkylamino, thio, C_{1-6} alkylthio, C_{1-6} alkylsulfinyl, C_{1-6} alkylsulfonyl, carbamyl, C_{1-6} alkylcarbamyl, di-C_{1-6} alkylcarbamyl, carboxy, C_{1-6} alkylcarbonyl, C_{1-6} alkoxycarbonyl, or C_{1-6} alkylcarbonylamino; and

n is 0, 1, 2, 3, or 4.

3. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is N.

4. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is CR^2.

5. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is C(H), C(F), or C(CN).

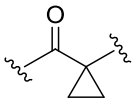
6. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein X is CH.

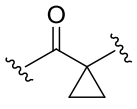
7. The compound according to any one of claims 1 to 6, or a pharmaceutically acceptable salt thereof, wherein Y is N.

8. The compound according to any one of claims 1 to 6, or a pharmaceutically acceptable salt thereof, wherein Y is CR^3.

9. The compound according to any one of claims 1 to 6, or a pharmaceutically acceptable salt thereof, wherein Y is CH.

10. The compound according to any one of claims 1 to 9, or a pharmaceutically acceptable salt thereof, wherein Z is cyano.

11. The compound according to any one of claims 1 to 10, or a pharmaceutically acceptable salt thereof, wherein L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or .

12. The compound according to any one of claims 1 to 10, or a pharmaceutically acceptable salt thereof, wherein L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, , C(=O)O, or $C(=O)CH_2$.

13. The compound according to any one of claims 1 to 12, or a pharmaceutically acceptable salt thereof, wherein n is 0, 1, or 2.

14. The compound according to any one of claims 1 to 12, or a pharmaceutically acceptable salt thereof, wherein n is 0.

15. The compound according to any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, wherein R^1 is C_{1-4} alkyl.

16. The compound according to any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, wherein R^1 is methyl.

17. The compound according to any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, wherein two R^1 groups form a 2-carbon bridge.

18. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is C_{6-14} aryl, which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

19. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is phenyl, which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups.

20. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is monocyclic C_{3-9} cycloalkyl or bicyclic C_{3-9} cycloalkyl, each of which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

21. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is monocyclic C_{2-10} heterocycloalkyl or bicyclic C_{2-10} heterocycloalkyl, each of which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

22. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is monocyclic C_{1-10} heteroaryl or bicyclic C_{1-10} heteroaryl, each of which is optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups.

23. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is C_{1-6} alkyl.

24. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic or bicyclic C_{3-10} cycloalkyl, monocyclic or bicyclic C_{2-10} heterocycloalkyl, or monocyclic or bicyclic C_{1-10}

heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups.

25. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups.

26. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is methyl, ethyl, isopropyl, phenyl, a naphthalene ring, a pyridine ring, a pyrimidine ring, a thiophene ring, a pyrazine ring, an oxazole ring, an isoxazole ring, an imidazole ring, a thiazole ring, a furan ring, a pyrazole ring, a quinoline ring, a benzothiophene ring, a benzothiazole ring, a benzoimidazole ring, a benzofuran ring, cyclopropyl, cyclopentyl, cyclohexyl, cycloheptyl, an indene ring, a tetrahydronaphthalene ring, dihydro-1,4-benzodioxoxine ring, or a piperidine ring; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups, as permitted by valency.

27. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is phenyl or a pyridine ring; each of which are optionally substituted with 1, 2, 3, or 4 independently selected R^5 groups.

28. The compound according to any one of claims 1 to 17, or a pharmaceutically acceptable salt thereof, wherein A is pyridin-4-yl; which is optionally substituted with 1, 2, 3, or 4 independently selected R^5 groups.

29. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein wherein each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups.

30. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein each R^5 is, independently, chloro, fluoro, bromo, cyano, methyl, ethyl, trifluoromethyl, hydroxyl, methoxy, trifluoromethoxy, difluoromethoxy, phenoxy, dimethylamino, t-butylcarbonylamino, methoxycarbonyl, methylthio, phenyl, a pyridine ring,

a thiazole ring, a quinoline ring, an isoquinoline ring, an imidazo[1,2-a]pyrimidine ring, a benzoxazole ring, or an oxadiazole ring; wherein said phenyl, pyridine ring, thiazole ring, quinoline ring, isoquinoline ring, imidazo[1,2-a]pyrimidine ring, benzoxazole ring, and oxadiazole ring are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups.

31. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein:

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, or $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{1-6} haloalkyl, or C_{6-10} aryl; wherein said C_{1-6} alkyl and C_{6-10} aryl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

each R^6 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, OR^{a1}, $NR^{c1}R^{d1}$, or $OC(O)R^{b1}$; and

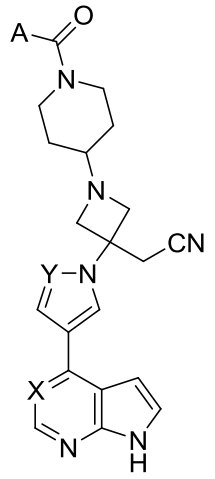
each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H or C_{1-6} alkyl; wherein said C_{1-6} alkyl is optionally substituted with a substituent independently selected from C_{1-4} alkoxy and hydroxyl;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group, optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo.

32. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein each R^5 is, independently, halo or C_{1-6} haloalkyl.

33. The compound according to any one of claims 1 to 28, or a pharmaceutically acceptable salt thereof, wherein each R^5 is, independently, fluoro or trifluoromethyl.

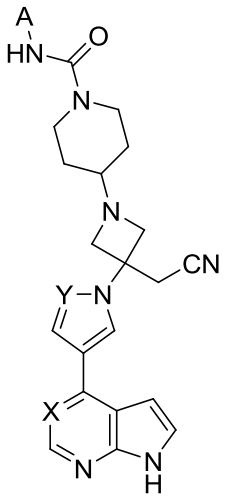
34. The compound according to any one of claims 1 to 9 and 18 to 33, having Formula (II):



II

or a pharmaceutically acceptable salt thereof.

35. The compound according to any one of claims 1 to 9 and 18 to 33, having Formula (III):



III

or a pharmaceutically acceptable salt thereof.

36. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

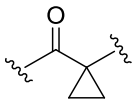
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, C_{1-10} heteroaryl-C_{1-3} alkyl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $NR^cS(O)R^b$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)R^b$, $S(O)NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{3-10} cycloalkyl-C_{1-3} alkyl, C_{2-10} heterocycloalkyl, C_{2-10} heterocycloalkyl-C_{1-3} alkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, and C_{1-10} heteroaryl-C_{1-3} alkyl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

37. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

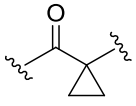
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{2-10} heterocycloalkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{2-10}

heterocycloalkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

38. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

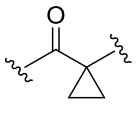
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or ;

A is phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{2-10} heterocycloalkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, $NR^cC(O)OR^a$, $NR^cC(O)NR^cR^d$, $NR^cS(O)_2R^b$, $NR^cS(O)_2NR^cR^d$, $S(O)_2R^b$, or $S(O)_2NR^cR^d$; wherein C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, C_{2-10} heterocycloalkyl, C_{6-10} aryl, C_{6-10} aryl-C_{1-3} alkyl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

39. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

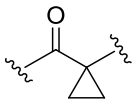
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

40. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

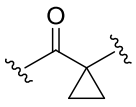
each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

41. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

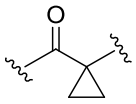
each R^1 is, independently, methyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is methyl, ethyl, isopropyl, phenyl, a naphthalene ring, a pyridine ring, a pyrimidine ring, a thiophene ring, a pyrazine ring, an oxazole ring, an isoxazole ring, an imidazole ring, a thiazole ring, a furan ring, a pyrazole ring, a quinoline ring, a benzothiophene ring, a benzothiazole ring, a benzoimidazole ring, a benzofuran ring, cyclopropyl, cyclopentyl, cyclohexyl, cycloheptyl, an indene ring, a tetrahydronaphthalene ring, dihydro-1,4-benzodioxoxine ring, or a piperidine ring; each of which are optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups, as permitted by valency;

each R^5 is, independently, chloro, fluoro, bromo, cyano, methyl, ethyl, trifluoromethyl, hydroxyl, methoxy, trifluoromethoxy, difluoromethoxy, phenoxy, dimethylamino, t-butylcarbonylamino, methoxycarbonyl, methylthio, phenyl, a pyridine ring, a thiazole ring, a quinoline ring, an isoquinoline ring, an imidazo[1,2-a]pyrimidine ring, a benzoxazole ring, or an oxadiazole ring; wherein said phenyl, pyridine ring, thiazole ring, quinoline ring, isoquinoline ring, imidazo[1,2-a]pyrimidine ring, benzoxazole ring, and oxadiazole ring are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

42. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

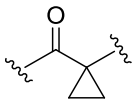
each R^1 is, independently, methyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$, or  ;

A is phenyl, a naphthalene ring, a pyridine ring, a pyrimidine ring, a thiophene ring, a pyrazine ring, an oxazole ring, an isoxazole ring, an imidazole ring, a thiazole ring, a furan ring, a pyrazole ring, a quinoline ring, a benzothiophene ring, a benzothiazole ring, a benzoimidazole ring, a benzofuran ring, cyclopropyl, cyclopentyl, cyclohexyl, cycloheptyl, an indene ring, a tetrahydronaphthalene ring, dihydro-1,4-benzodioxoxine ring, or a piperidine ring; each of which are optionally substituted with 1, 2, 3, 4, 5, or 6 independently selected R^5 groups;

each R^5 is, independently, chloro, fluoro, bromo, cyano, methyl, ethyl, trifluoromethyl, hydroxyl, methoxy, trifluoromethoxy, difluoromethoxy, phenoxy, dimethylamino, t-butylcarbonylamino, methoxycarbonyl, methylthio, phenyl, a pyridine ring, a thiazole ring, a quinoline ring, an isoquinoline ring, an imidazo[1,2-a]pyrimidine ring, a benzoxazole ring, or an oxadiazole ring; wherein said phenyl, pyridine ring, thiazole ring, quinoline ring, isoquinoline ring, imidazo[1,2-a]pyrimidine ring, benzoxazole ring, and oxadiazole ring are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups; and

n is 0, 1, or 2.

43. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

each R^1 is, independently, C_{1-4} alkyl; or

two R^1 groups form a 2-carbon bridge.

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is $S(=O)_2$;

A is C_{1-6} alkyl; and

n is 0, 1, or 2.

44. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CH;

Y is N;

Z is cyano;

L is C(=O) or C(=O)NH;

A is phenyl or a pyridine ring, each of which is optionally substituted with 1, 2, 3, or 4 independently selected R^5 groups;

each R^5 is, independently, halo or C_{1-6} haloalkyl; and

n is 0.

45. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CH;

Y is N;

Z is cyano;

L is C(=O) or C(=O)NH;

A is phenyl or pyridin-4-yl, each of which is optionally substituted with 1 or 2 independently selected R^5 groups;

each R^5 is, independently, fluoro or trifluoromethyl; and

n is 0.

46. The compound according to claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein:

X is N or CR^2;

Y is N or CR^3;

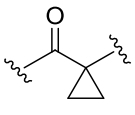
each R^1 is, independently, C_{1-4} alkyl, hydroxyl, C_{1-4} alkoxy, or fluoro;

two R^1 groups together form a 2- or 3-carbon bridge or a bridge of formula $-CH_2-O-CH_2-$;

R^2 is H, halo, or cyano;

R^3 is H;

Z is cyano;

L is C(=O)NH, C(=O), $S(=O)_2$, CH_2, $C(=O)CH_2$,  C(=O)O, or $C(=O)OCH_2$;

A is C_{1-6} alkyl, phenyl, a naphthyl ring, monocyclic C_{3-10} cycloalkyl, bicyclic C_{3-10} cycloalkyl, monocyclic C_{2-10} heterocycloalkyl, bicyclic C_{2-10} heterocycloalkyl, monocyclic C_{1-10} heteroaryl, or bicyclic C_{1-10} heteroaryl; each of which is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^5 groups;

n is 0, 1, or 2;

each R^5 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{1-10} heteroaryl, OR^a, SR^a, $C(O)OR^a$, NR^cR^d, or $NR^cC(O)R^b$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{6-10} aryl, and C_{1-10} heteroaryl are each optionally substituted with 1, 2, 3, 4, or 5 independently selected R^6 groups;

each R^a, R^b, R^c, and R^d is, independently, H, C_{1-6} alkyl, C_{1-6} haloalkyl, or C_{6-10} aryl; wherein said C_{1-6} alkyl and C_{6-10} aryl is optionally substituted with 1, 2, 3, 4, or 5 independently selected R^g groups;

each R^6 is, independently, halo, cyano, C_{1-6} alkyl, C_{1-6} haloalkyl, OR^{a1}, $NR^{c1}R^{d1}$, or $OC(O)R^{b1}$; and

each R^{a1}, R^{b1}, R^{c1}, and R^{d1} is, independently, H or C_{1-6} alkyl; wherein said C_{1-6} alkyl is optionally substituted with a substituent independently selected from C_{1-4} alkoxy and hydroxyl;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group, optionally substituted with 1, 2, 3 or 4 substituents independently selected from halo.

47. The compound according to claim 1, wherein the compound is selected from:

{1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-quinolin-6-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(3,4,5-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-3-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclohexylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-benzoylpiperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

{1-{1-[(6-chloropyridin-2-yl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(pyrazin-2-lcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-l}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(3-thienylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(1,3-oxazol-2-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[2-methyl-5-(trifluoromethyl)-1,3-oxazol-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-fluorobenzonitrile;

{1-[1-(3-chlorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-bromobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[3-(trifluoromethoxy)benzoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[3-(trifluoromethyl)benzoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

{1-{1-[3-fluoro-5-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-dichlorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-fluoro-3-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-5-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-chloro-5-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-bromo-5-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2,5-dichloro-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,4,5-trifluoro-3-methoxybenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-dimethoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-chloro-4-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,4-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-5-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-6-methoxyisonicotinoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(5-fluoro-2-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-6-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-fluoro-2-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,4-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,5-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,6-difluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-6-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,4-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,6-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,4,5-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,4,6-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-dibromo-4-methoxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-{1-[3-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[4-chloro-6-(trifluoromethyl)pyridin-2-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,4,5-tetrafluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-methoxybenzonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(2,3,5,6-tetrafluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

{1-[1-(4-fluoro-3-hydroxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-(dimethylamino)benzonitrile;

{1-{1-[4-(dimethylamino)-2,3,5,6-tetrafluorobenzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluoroisonicotinoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-4-(methylthio)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-chloro-3-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-methylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,5-dimethyl-3-furoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-fluorobenzonitrile;

{1-[1-(2-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(4-fluorobenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-thienylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-methoxy-5-(trifluoromethyl)-2-thienylcarbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-hydroxy-5-(trifluoromethyl)-2-thienylcarbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4-methoxy-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-methyl-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-chloro-4-methoxy-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-bromo-3-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-chloro-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-chloro-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-methyl-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4-methyl-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(5-methyl-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-methoxy-2-thienyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3,5-difluorobenzonitrile;

{1-[1-(3-chloro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(1-naphthoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(quinolin-3-ylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(quinolin-6-ylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-[1-(1-benzothien-2-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-chloro-6-fluoro-1-benzothien-2-yl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-chloro-4-fluoro-1-benzothien-2-yl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)-1-benzothien-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)-1-benzothien-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[7-(trifluoromethyl)-1-benzothien-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(1-benzothien-3-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[1-(1,2,3,4-tetrahydronaphthalen-2-ylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)cyclohexyl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(2,3-dihydro-1H-inden-2-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclopentylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cycloheptylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3-methoxycyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4-phenylcyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[4-(4-chlorophenyl)cyclohexyl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

6-{4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]piperidin-1-yl}nicotinonitrile;

{1-(1-{[1-(5-chloro-3-fluoropyridin-2-yl)piperidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-{4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]piperidin-1-yl}-6-methylnicotinonitrile;

{1-[1-(phenylacetyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1-phenylcyclopropyl)carbonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[1-(4-chlorophenyl)cyclopropyl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2,6-dichlorophenyl)acetyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(mesitylacetyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(biphenyl-4-ylcarbonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-6-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,6-difluoro-4-pyridin-3-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-pyridin-4-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2'-fluorobiphenyl-4-carbonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2',3-difluorobiphenyl-4-carbonitrile;

{1-[1-(2-fluoro-4-pyridin-3-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-fluoro-3-(1,3-thiazol-2-yl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-4-(1,3-thiazol-2-yl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-pyridin-3-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2'-fluorobiphenyl-2-carbonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2'-fluorobiphenyl-3-carbonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]biphenyl-4-carbonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{1-[(2,3',4'-trifluorobiphenyl-4-yl)carbonyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

4'-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2',5-difluorobiphenyl-3-carbonitrile;

{1-[1-(3-fluoro-4-quinolin-5-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-5-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-8-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-quinolin-8-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-isoquinolin-7-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-quinolin-7-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-imidazo[1,2-a]pyridin-6-ylbenzoyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-(1,3-benzoxazol-2-yl)benzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-(1,3-benzoxazol-2-yl)-3-fluorobenzoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(3-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-8-azabicyclo[3.2.1]oct-8-yl)carbonyl]-5-fluorobenzonitrile;

{1-[8-(3,4-difluorobenzoyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(3-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-8-azabicyclo[3.2.1]oct-8-yl)carbonyl]-2-fluorobenzonitrile;

{1-[8-(4-chloro-3-fluorobenzoyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{8-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]-8-azabicyclo[3.2.1]oct-3-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(8-{[6-(trifluoromethyl)pyridin-3-yl]carbonyl}-8-azabicyclo[3.2.1]oct-3-yl)azetidin-3-yl]acetonitrile;

(3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-{8-[2-(trifluoromethyl)isonicotinoyl]-8-azabicyclo[3.2.1]oct-3-yl}azetidin-3-yl)acetonitrile;

{1-[8-(cyclopentylcarbonyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-[8-(tetrahydro-2H-pyran-4-ylcarbonyl)-8-azabicyclo[3.2.1]oct-3-yl]azetidin-3-yl}acetonitrile;

{1-[8-(cyclohexylcarbonyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{8-[(4,4-difluorocyclohexyl)carbonyl]-8-azabicyclo[3.2.1]oct-3-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]-2-methylpiperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluorobenzoyl)-4-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclohexylcarbonyl)-4-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-4-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,6-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-(trifluoromethoxy)phenyl]piperidine-1-carboxamide;

N-(4-bromo-3-thienyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,6-dichlorophenyl)piperidine-1-carboxamide;

N-(2-chloro-6-methylphenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(2-chloro-4-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(2-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-(difluoromethoxy)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

N-(5-chloro-2-methylphenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-fluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-fluoro-3-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,4-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,3,4-trifluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,3,5-trifluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,5-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3,5-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3,4-difluorophenyl)piperidine-1-carboxamide;

N-(3-chloro-2-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(4-chloro-2-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-3-thienylpiperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methoxyphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3-methoxyphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethoxy)phenyl]piperidine-1-carboxamide;

N-(3-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(4-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methylphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,5-dimethoxyphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(4-fluoro-2-methylphenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[6-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,6-dimethylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-1,3-thiazol-2-ylpiperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(4-methyl-1,3-thiazol-2-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(4,5-dimethyl-1,3-thiazol-2-yl)piperidine-1-carboxamide;

N-1,3-benzothiazol-2-yl-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(1-methyl-1H-benzimidazol-2-yl)piperidine-1-carboxamide;

N-[4-(4-chlorophenyl)-1,3-thiazol-2-yl]-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(1-ethyl-1H-pyrazol-5-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(1,3-dimethyl-1H-pyrazol-5-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(6-fluoro-2-methylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-fluoro-6-methylpyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3-fluoropyridin-2-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(3,5-difluoropyridin-2-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methoxypyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[2-methyl-6-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

methyl 2-{[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]amino}benzoate;

methyl 2-{[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]amino}-5-fluorobenzoate;

methyl 4-{[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]amino}-3-fluorobenzoate;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-[1-(3,5-dichlorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-chloro-5-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-3-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-6-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-chloroquinolin-3-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-4-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,4-difluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-6-methoxybenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-dichlorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-2-fluorobenzonitrile;

{1-{1-[4-(1,2,3-oxadiazol-4-yl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]benzonitrile;

6-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-2-methoxynicotinonitrile;

{1-{1-[(2,6-dibromopyridin-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-bromopyridin-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-6-fluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-chloro-2,6-difluorobenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]-2-fluorobenzonitrile;

{1-{1-[(5-methyl-3-phenylisoxazol-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[3-fluoro-2-(trifluoromethyl)pyridin-4-yl]methyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(1-benzofuran-2-ylmethyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-phenoxybenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-dihydro-1,4-benzodioxin-6-ylmethyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

N-{4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)methyl]pyridin-2-yl}-2,2-dimethylpropanamide;

{1-{1-[3-chloro-2-fluoro-6-(trifluoromethyl)benzyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3,5-dichloropyridin-4-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(2-chloro-6-methoxyquinolin-3-yl)methyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-3,4-dimethoxybenzyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(3-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-8-azabicyclo[3.2.1]oct-8-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-[8-(2-chloro-3,6-difluorobenzyl)-8-azabicyclo[3.2.1]oct-3-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-2-methylpiperidin-1-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-2-methylpiperidin-1-yl)methyl]-6-(dimethylamino)-2-fluorobenzonitrile;

{1-[1-(2-chloro-6-fluorobenzyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-chloro-6-fluorobenzyl)-2-methylpiperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1-methyl-1H-pyrazol-5-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]benzonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]benzonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)sulfonyl]-2-(dimethylamino)benzonitrile;

{1-{1-[(1-methyl-1H-pyrazol-3-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclohexylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclopentylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(methylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(ethylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(cyclopropylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(isopropylsulfonyl)piperidin-4-yl]-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1-methyl-1H-imidazol-4-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(1,2-dimethyl-1H-imidazol-4-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(3,5-dimethylisoxazol-4-yl)sulfonyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]benzonitrile;

3-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-fluorobenzonitrile;

4-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3-fluorobenzonitrile;

4-[(4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3,5-difluorobenzonitrile;

{1-{1-[5-fluoro-2-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

(3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-{1-[3-(trifluoromethyl)benzoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

{1-{1-[2-fluoro-5-(trifluoromethoxy)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-[1-(2,3,6-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-[1-(2-thienylcarbonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-4-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-5-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-fluoro-5-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-fluoro-3-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,3-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,4-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,5-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2,6-difluorobenzoyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-[1-(2,3,4-trifluorobenzoyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

{1-{1-[2-fluoro-3-(trifluoromethoxy)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[4-hydroxy-3-(trifluoromethyl)benzoyl]piperidin-4-yl}-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2-methoxypyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[2-methyl-6-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2,4-difluorophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2-cyanophenyl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(2-methoxyphenyl)piperidine-1-carboxamide;

N-(2-chloro-4-fluorophenyl)-4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-1-yl}-N-(3-fluoropyridin-2-yl)piperidine-1-carboxamide;

N-(4-chloro-2-cyanophenyl)-4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

{1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3-fluorobenzonitrile;

{1-[1-(3-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[5-chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2,4-difluorophenyl)piperidine-1-carboxamide;

N-(2-chloro-4-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-methoxypyridin-3-yl)piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-4-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-(2-fluorophenyl)piperidine-1-carboxamide;

N-(2-chlorophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-cyano-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

N-(4-cyano-2-fluorophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

N-(2-chloro-4-cyanophenyl)-4-{3-(cyanomethyl)-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxamide;

(3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)acetonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]isophthalonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-fluorobenzonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-3-fluorobenzonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-fluorobenzonitrile;

{1-{1-[(5-fluoropyridin-2-yl)carbonyl]piperidin-4-yl}-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoroisonicotinoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3,5-difluoroisonicotinoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(3-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-[1-(2-fluoro-4-hydroxybenzoyl)piperidin-4-yl]-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]terephthalonitrile;

4-[(4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-2-fluorobenzonitrile;

{1-{1-[5-chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[(4,4-difluorocyclohexyl)carbonyl]piperidin-4-yl}-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridine-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-fluoro-2-(trifluoromethyl)phenyl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-2-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[4-(trifluoromethyl)pyridin-3-yl]piperidine-1-carboxamide;

4-{3-(cyanomethyl)-3-[4-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-[3-(trifluoromethyl)pyridin-4-yl]piperidine-1-carboxamide;

4-[1-(3-(cyanomethyl)-1-{1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)-1H-pyrazol-4-yl]-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-[1-(3-cyano-5-fluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-[1-(4-cyano-3-fluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-(1-{3-(cyanomethyl)-1-[1-(2,5-dibromobenzoyl)piperidin-4-yl]azetidin-3-yl}-1H-pyrazol-4-yl)-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-(1-{3-(cyanomethyl)-1-[1-(3,5-dibromobenzoyl)piperidin-4-yl]azetidin-3-yl}-1H-pyrazol-4-yl)-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

2-[(4-{3-(cyanomethyl)-3-[4-(5-cyano-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]terephthalonitrile;

5-[(4-{3-(cyanomethyl)-3-[4-(5-cyano-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]isophthalonitrile;

4-{1-[1-[1-(4-cyano-2-fluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-[1-(4-cyano-2,6-difluorobenzoyl)piperidin-4-yl]-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

4-{1-[1-{1-[5-chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-(cyanomethyl)azetidin-3-yl]-1H-pyrazol-4-yl}-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

{1-{1-[5-Chloro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[5-Fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)-1,3-thiazol-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[3-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[3-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-(1-{[4-(trifluoromethyl)-1,3-thiazol-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[3-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(Methylsulfonyl)piperidin-4-yl]-3-[3-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrrol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(1H-Pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(1H-Pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[4-(trifluoromethyl)-1,3-thiazol-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{1-[1-(Methylsulfonyl)piperidin-4-yl]-3-[4-(1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

[3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[6-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

[3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1H-pyrazol-1-yl]-1-(1-{[5-(trifluoromethyl)pyrazin-2-yl]carbonyl}piperidin-4-yl)azetidin-3-yl]acetonitrile;

{3-[4-(5-Fluoro-1H-pyrrolo[2,3-b]pyridin-4-yl)-1Hpyrazol-1-yl]-1-[1-(methylsulfonyl)piperidin-4-yl]azetidin-3-yl}acetonitrile;

4-[1-(3-(Cyanomethyl)-1-{1-[5-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}azetidin-3-yl)-1H-pyrazol-4-yl]-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile; and

4-(1-{3-(Cyanomethyl)-1-[1-(methylsulfonyl)piperidin-4-yl]azetidin-3-yl}-1H-pyrazol-4-yl)-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile;

or a pharmaceutically acceptable salt of any of the aforementioned.

48. The compound according to claim 1, wherein the compound is selected from:

cis-{1-{(3-Methoxy-1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(cis-3-Methoxy-1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{cis-3-Fluoro-1-[3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(cis-3-Fluoro-1-{[2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]-4-deuteropiperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]3,3,4,5,5-pentadeuteropiperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-{7-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]-3-oxa-7-azabicyclo[3.3.1]non-9-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[4-[(dimethylamino)methyl]-6-(trifluoromethyl)pyridin-2-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}-N-isopropylpiperidine-1-carboxamide;

{1-{1-[6-[(dimethylamino)methyl]-3-fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

3-[(4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidin-1-yl)carbonyl]-5-[(dimethylamino)methyl]benzonitrile;

{1-(1-{[6-[(dimethylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(methylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-(azetidin-1-ylmethyl)-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-

[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(diethylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[ethyl(methyl)amino]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{3-(difluoromethyl)-5-[(dimethylamino)methyl]benzoyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-(pyrrolidin-1-ylmethyl)-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(3S)-3-fluoropyrrolidin-1-yl]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(3R)-3-fluoropyrrolidin-1-yl]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(3,3-difluoropyrrolidin-1-yl)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(tert-butylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-(hydroxymethyl)-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(isopropylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-[(ethylamino)methyl]-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(2-methoxyethyl)(methyl)amino]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

{1-(1-{[6-{[(3-hydroxypropyl)(methyl)amino]methyl}-2-(trifluoromethyl)pyrimidin-4-yl]carbonyl}piperidin-4-yl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile;

propyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

cyclobutylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-

yl]azetidin-1-yl}piperidine-1-carboxylate;

ethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

benzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

isobutyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

cyclopropylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

(1-methylcyclopropyl)methyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

2,4-difluorobenzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

3,4-difluorobenzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

3,5-difluorobenzyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

cyclopentylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate; and

cyclohexylmethyl 4-{3-(cyanomethyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-1-yl}piperidine-1-carboxylate;

or a pharmaceutically acceptable salt of any of the aforementioned.

49. A compound, which is {1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile, or a pharmaceutically acceptable salt thereof.

50. A salt, which is {1-{1-[3-Fluoro-2-(trifluoromethyl)isonicotinoyl]piperidin-4-yl}-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]azetidin-3-yl}acetonitrile adipic acid salt.

51. The salt according to claim 50, which is characterized by a melting point of about 178 °C.

52. The salt according to claim 50 or 51 having a differential scanning calorimetry thermogram which is characterized by an endothermic peak with an onset temperature of about 176 °C.

53. The salt according to claim 50 or 51, having a differential scanning calorimetry thermogram substantially as shown in Figure 1.

54. The salt according to any one of claims 50 to 53, having a thermal gravimetric analysis thermogram substantially as shown in Figure 2.

55. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 10.4.

56. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 6.9.

57. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 21.0.

58. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 23.3.

59. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern comprising a characteristic peak expressed in degrees 2θ at about 6.9, 10.4, 21.0, and 23.3.

60. The salt according to any one of claims 50 to 54 having an X-ray powder diffraction pattern substantially as shown in Figure 3.

61. A composition comprising a compound or salt according to any one of claims 1 to 60 and a pharmaceutically acceptable carrier.

62. Use of a compound or salt according to any one of claims 1 to 60 for the manufacture of a medicament for modulating an activity of JAK1.

63. The use according to claim 62, wherein said compound, or pharmaceutically acceptable salt thereof, is selective for JAK1 over JAK2.

64. Use of a compound or salt according to any one of claims 1 to 60 for the manufacture of a medicament for treating an autoimmune disease, a cancer, a myeloproliferative

disorder, an inflammatory disease, a bone resorption disease, or organ transplant rejection in a patient in need thereof.

65. The use according to claim 64, wherein said autoimmune disease is a skin disorder, multiple sclerosis, rheumatoid arthritis, psoriatic arthritis, juvenile arthritis, type I diabetes, lupus, inflammatory bowel disease, Crohn's disease, myasthenia gravis, immunoglobulin nephropathies, myocarditis, or autoimmune thyroid disorder.

66. The use according to claim 64, wherein said autoimmune disease is rheumatoid arthritis.

67. The use according to claim 64, wherein said autoimmune disease is a skin disorder.

68. The use according to claim 67, wherein said skin disorder is atopic dermatitis, psoriasis, skin sensitization, skin irritation, skin rash, contact dermatitis or allergic contact sensitization.

69. The use according to claim 64, wherein said cancer is a solid tumor.

70. The use according to claim 64, wherein said cancer is prostate cancer, renal cancer, hepatic cancer, breast cancer, lung cancer, thyroid cancer, Kaposi's sarcoma, Castleman's disease or pancreatic cancer.

71. The use according to claim 64, wherein said cancer is lymphoma, leukemia, or multiple myeloma.

72. The use according to claim 64, wherein said myeloproliferative disorder is polycythemia vera (PV), essential thrombocythemia (ET), myeloid metaplasia with myelofibrosis (MMM), primary myelofibrosis (PMF), chronic myelogenous leukemia (CML), chronic myelomonocytic leukemia (CMML), hypereosinophilic syndrome (HES), idiopathic myelofibrosis (IMF), or systemic mast cell disease (SMCD).

73. The use according to claim 64, wherein said myeloproliferative disorder is myelofibrosis.

74. The use according to claim 64, wherein said myeloproliferative disorder is primary myelofibrosis (PMF).

75. The use according to claim 64, wherein said bone resorption disease is osteoporosis, osteoarthritis, bone resorption associated with hormonal imbalance, bone resorption associated with hormonal therapy, bone resorption associated with autoimmune disease, or bone resorption associated with cancer.