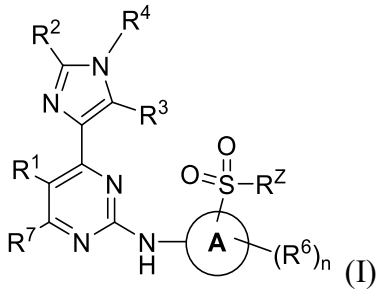
What is claimed is:

1. A compound of Formula (I):



(I)

or a pharmaceutically acceptable salt thereof, wherein:

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

Ring moiety **A** is an azetidine ring, a pyrrolidine ring, a piperidine ring, or an azepane ring;

R^1 is selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl;

R^2, R^3, and R^4 are defined as shown in Group (a), Group (b), or Group (c);

Group (a):

R^2 is selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-4} alkoxy, C_{1-4} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl;

R^3 is selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl; and

R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, $C(O)R^{b4}$, $C(O)NR^{c4}R^{d4}$, $C(O)NR^{c4}(OR^{a4})$, $C(O)OR^{a4}$, $C(=NR^{e4})R^{b4}$, $C(=NR^{e4})NR^{c4}R^{d4}$, $S(O)_2R^{b4}$, and $S(O)_2NR^{c4}R^{d4}$; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-

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

Group (b):

R^2 is selected from H, D, halo, NO_2, CN, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a2}, SR^{a2}, $NHOR^{a2}$, $C(O)R^{b2}$, $C(O)NR^{c2}R^{d2}$, $C(O)NR^{c2}(OR^{a2})$, $C(O)OR^{a2}$, $OC(O)R^{b2}$, $OC(O)NR^{c2}R^{d2}$, $NR^{c2}R^{d2}$, $NR^{c2}NR^{c2}R^{d2}$, $NR^{c2}C(O)R^{b2}$, $NR^{c2}C(O)OR^{a2}$, $NR^{c2}C(O)NR^{c2}R^{d2}$, $C(=NR^{e2})R^{b2}$, $C(=NR^{e2})NR^{c2}R^{d2}$, $NR^{c2}C(=NR^{e2})NR^{c2}R^{d2}$, $NR^{c2}C(=NR^{e2})R^{b2}$, $NR^{c2}S(O)NR^{c2}R^{d2}$, $NR^{c2}S(O)R^{b2}$, $NR^{c2}S(O)_2R^{b2}$, $NR^{c2}S(O)(=NR^{e2})R^{b2}$, $NR^{c2}S(O)_2NR^{c2}R^{d2}$, $S(O)R^{b2}$, $S(O)NR^{c2}R^{d2}$, $S(O)_2R^{b2}$, $S(O)_2NR^{c2}R^{d2}$, $OS(O)(=NR^{e2})R^{b2}$, $OS(O)_2R^{b2}$, $S(O)(=NR^{e2})R^{b2}$, SF_5, $P(O)R^{f2}R^{g2}$, $OP(O)(OR^{h2})(OR^{i2})$, $P(O)(OR^{h2})(OR^{i2})$, and $BR^{j2}R^{k2}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, 3, or 4 independently selected R^{2A} substituents;

R^3 is selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl; and

R^4 is selected from C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl;

Group (c):

R^2 is selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl; and

R^3 and R^4, together with the atoms to which they are attached, form a 5-7 membered heterocycloalkyl ring, which is optionally substituted by 1, 2, 3, or 4 independently selected R^{4A} substituents;

each R^{a2}, R^{c2}, and R^{d2} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2A} substituents;

or, any R^{c2} and R^{d2} attached to the same N atom, together with the N atom to which they are attached, form a 4-10 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{2A} substituents;

each R^{b2} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2A} substituents;

each R^{e2} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{f2} and R^{g2} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{h2} and R^{i2} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl,

5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{j2} and R^{k2} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j2} and R^{k2} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{2A} is independently selected from D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a21}, SR^{a21}, $NHOR^{a21}$, $C(O)R^{b21}$, $C(O)NR^{c21}R^{d21}$, $C(O)NR^{c21}(OR^{a21})$, $C(O)OR^{a21}$, $OC(O)R^{b21}$, $OC(O)NR^{c21}R^{d21}$, $NR^{c21}R^{d21}$, $NR^{c21}NR^{c21}R^{d21}$, $NR^{c21}C(O)R^{b21}$, $NR^{c21}C(O)OR^{a21}$, $NR^{c21}C(O)NR^{c21}R^{d21}$, $C(=NR^{e21})R^{b21}$, $C(=NR^{e21})NR^{c21}R^{d21}$, $NR^{c21}C(=NR^{e21})NR^{c21}R^{d21}$, $NR^{c21}C(=NR^{e21})R^{b21}$, $NR^{c21}S(O)NR^{c21}R^{d21}$, $NR^{c21}S(O)R^{b21}$, $NR^{c21}S(O)_2R^{b21}$, $NR^{c21}S(O)(=NR^{e21})R^{b21}$, $NR^{c21}S(O)_2NR^{c21}R^{d21}$, $S(O)R^{b21}$, $S(O)NR^{c21}R^{d21}$, $S(O)_2R^{b21}$, $S(O)_2NR^{c21}R^{d21}$, $OS(O)(=NR^{e21})R^{b21}$, $OS(O)_2R^{b21}$, $S(O)(=NR^{e21})R^{b21}$, SF_5, $P(O)R^{f21}R^{g21}$, $OP(O)(OR^{h21})(OR^{i21})$, $P(O)(OR^{h21})(OR^{i21})$, and $BR^{j21}R^{k21}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2B} substituents;

each R^{a21}, R^{c21}, and R^{d21} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2B} substituents;

or, any R^{c21} and R^{d21} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{2B} substituents;

each R^{b21} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2B} substituents;

each R^{e21} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{f21} and R^{g21} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{h21} and R^{i21} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{j21} and R^{k21} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j21} and R^{k21} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{2B} is independently selected from D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a22}, SR^{a22}, $NHOR^{a22}$, $C(O)R^{b22}$, $C(O)NR^{c22}R^{d22}$, $C(O)NR^{c22}(OR^{a22})$, $C(O)OR^{a22}$, $OC(O)R^{b22}$, $OC(O)NR^{c22}R^{d22}$, $NR^{c22}R^{d22}$, $NR^{c22}NR^{c22}R^{d22}$, $NR^{c22}C(O)R^{b22}$, $NR^{c22}C(O)OR^{a22}$, $NR^{c22}C(O)NR^{c22}R^{d22}$,

$C(=NR^{e22})R^{b22}$, $C(=NR^{e22})NR^{c22}R^{d22}$, $NR^{c22}C(=NR^{e22})NR^{c22}R^{d22}$, $NR^{c22}C(=NR^{e22})R^{b22}$, $NR^{c22}S(O)NR^{c22}R^{d22}$, $NR^{c22}S(O)R^{b22}$, $NR^{c22}S(O)_2R^{b22}$, $NR^{c22}S(O)(=NR^{e22})R^{b22}$, $NR^{c22}S(O)_2NR^{c22}R^{d22}$, $S(O)R^{b22}$, $S(O)NR^{c22}R^{d22}$, $S(O)_2R^{b22}$, $S(O)_2NR^{c22}R^{d22}$, $OS(O)(=NR^{e22})R^{b22}$, $OS(O)_2R^{b22}$, $S(O)(=NR^{e22})R^{b22}$, SF_5, $P(O)R^{f22}R^{g22}$, $OP(O)(OR^{h22})(OR^{i22})$, $P(O)(OR^{h22})(OR^{i22})$, and $BR^{j22}R^{k22}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2C} substituents;

each R^{a22}, R^{c22}, and R^{d22} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2C} substituents;

or, any R^{c22} and R^{d22} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{2C} substituents;

each R^{b22} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{2C} substituents;

each R^{e22} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{f22} and R^{g22} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{h22} and R^{i22} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{j22} and R^{k22} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j22} and R^{k22} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{2C} is independently selected from D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a23}, SR^{a23}, $NHOR^{a23}$, $C(O)R^{b23}$, $C(O)NR^{c23}R^{d23}$, $C(O)NR^{c23}(OR^{a23})$, $C(O)OR^{a23}$, $OC(O)R^{b23}$, $OC(O)NR^{c23}R^{d23}$, $NR^{c23}R^{d23}$, $NR^{c23}NR^{c23}R^{d23}$, $NR^{c23}C(O)R^{b23}$, $NR^{c23}C(O)OR^{a23}$, $NR^{c23}C(O)NR^{c23}R^{d23}$, $C(=NR^{e23})R^{b23}$, $C(=NR^{e23})NR^{c23}R^{d23}$, $NR^{c23}C(=NR^{e23})NR^{c23}R^{d23}$, $NR^{c23}C(=NR^{e23})R^{b23}$, $NR^{c23}S(O)NR^{c23}R^{d23}$, $NR^{c23}S(O)R^{b23}$, $NR^{c23}S(O)_2R^{b23}$, $NR^{c23}S(O)(=NR^{e23})R^{b23}$, $NR^{c23}S(O)_2NR^{c23}R^{d23}$, $S(O)R^{b23}$, $S(O)NR^{c23}R^{d23}$, $S(O)_2R^{b23}$, $S(O)_2NR^{c23}R^{d23}$, $OS(O)(=NR^{e23})R^{b23}$, $OS(O)_2R^{b23}$, $S(O)(=NR^{e23})R^{b23}$, SF_5, $P(O)R^{f23}R^{g23}$, $OP(O)(OR^{h23})(OR^{i23})$, $P(O)(OR^{h23})(OR^{i23})$, and $BR^{j23}R^{k23}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{a23}, R^{c23}, and R^{d23} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

or, any R^{c23} and R^{d23} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{b23} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{e23} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{f23} and R^{g23} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{h23} and R^{i23} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{j23} and R^{k23} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j23} and R^{k23} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{a4}, R^{c4}, and R^{d4} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10

membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4A} substituents;

or, any R^{c4} and R^{d4} attached to the same N atom, together with the N atom to which they are attached, form a 4-10 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{4A} substituents;

each R^{b4} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4A} substituents;

each R^{e4} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{4A} is independently selected from D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a41}, SR^{a41}, $NHOR^{a41}$, $C(O)R^{b41}$, $C(O)NR^{c41}R^{d41}$, $C(O)NR^{c41}(OR^{a41})$, $C(O)OR^{a41}$, $OC(O)R^{b41}$, $OC(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, $NR^{c41}NR^{c41}R^{d41}$, $NR^{c41}C(O)R^{b41}$, $NR^{c41}C(O)OR^{a41}$, $NR^{c41}C(O)NR^{c41}R^{d41}$, $C(=NR^{e41})R^{b41}$, $C(=NR^{e41})NR^{c41}R^{d41}$, $NR^{c41}C(=NR^{e41})NR^{c41}R^{d41}$, $NR^{c41}C(=NR^{e41})R^{b41}$, $NR^{c41}S(O)NR^{c41}R^{d41}$, $NR^{c41}S(O)R^{b41}$, $NR^{c41}S(O)_2R^{b41}$, $NR^{c41}S(O)(=NR^{e41})R^{b41}$, $NR^{c41}S(O)_2NR^{c41}R^{d41}$, $S(O)R^{b41}$, $S(O)NR^{c41}R^{d41}$, $S(O)_2R^{b41}$, $S(O)_2NR^{c41}R^{d41}$, $OS(O)(=NR^{e41})R^{b41}$, $OS(O)_2R^{b41}$, $S(O)(=NR^{e41})R^{b41}$, SF_5, $P(O)R^{f41}R^{g41}$, $OP(O)(OR^{h41})(OR^{i41})$, $P(O)(OR^{h41})(OR^{i41})$, and $BR^{j41}R^{k41}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4B} substituents;

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered

heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4B} substituents;

or, any R^{c41} and R^{d41} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4B} substituents;

each R^{e41} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{f41} and R^{g41} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{h41} and R^{i41} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{j41} and R^{k41} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j41} and R^{k41} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{4B} is independently selected from D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a42}, SR^{a42}, $NHOR^{a42}$, $C(O)R^{b42}$, $C(O)NR^{c42}R^{d42}$, $C(O)NR^{c42}(OR^{a42})$, $C(O)OR^{a42}$, $OC(O)R^{b42}$, $OC(O)NR^{c42}R^{d42}$, $NR^{c42}R^{d42}$, $NR^{c42}NR^{c42}R^{d42}$, $NR^{c42}C(O)R^{b42}$, $NR^{c42}C(O)OR^{a42}$, $NR^{c42}C(O)NR^{c42}R^{d42}$, $C(=NR^{e42})R^{b42}$, $C(=NR^{e42})NR^{c42}R^{d42}$, $NR^{c42}C(=NR^{e42})NR^{c42}R^{d42}$, $NR^{c42}C(=NR^{e42})R^{b42}$, $NR^{c42}S(O)NR^{c42}R^{d42}$, $NR^{c42}S(O)R^{b42}$, $NR^{c42}S(O)_2R^{b42}$, $NR^{c42}S(O)(=NR^{e42})R^{b42}$, $NR^{c42}S(O)_2NR^{c42}R^{d42}$, $S(O)R^{b42}$, $S(O)NR^{c42}R^{d42}$, $S(O)_2R^{b42}$, $S(O)_2NR^{c42}R^{d42}$, $OS(O)(=NR^{e42})R^{b42}$, $OS(O)_2R^{b42}$, $S(O)(=NR^{e42})R^{b42}$, SF_5, $P(O)R^{f42}R^{g42}$, $OP(O)(OR^{h42})(OR^{i42})$, $P(O)(OR^{h42})(OR^{i42})$, and $BR^{j42}R^{k42}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4C} substituents;

each R^{a42}, R^{c42}, and R^{d42} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4C} substituents;

or, any R^{c42} and R^{d42} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{4C} substituents;

each R^{b42} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-

6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{4C} substituents;

each R^{e42} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{f42} and R^{g42} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{h42} and R^{i42} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{j42} and R^{k42} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j42} and R^{k42} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{4C} is independently selected from D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a43}, SR^{a43}, $NHOR^{a43}$, $C(O)R^{b43}$, $C(O)NR^{c43}R^{d43}$, $C(O)NR^{c43}(OR^{a43})$, $C(O)OR^{a43}$, $OC(O)R^{b43}$, $OC(O)NR^{c43}R^{d43}$, $NR^{c43}R^{d43}$, $NR^{c43}NR^{c43}R^{d43}$, $NR^{c43}C(O)R^{b43}$, $NR^{c43}C(O)OR^{a43}$, $NR^{c43}C(O)NR^{c43}R^{d43}$, $C(=NR^{e43})R^{b43}$, $C(=NR^{e43})NR^{c43}R^{d43}$, $NR^{c43}C(=NR^{e43})NR^{c43}R^{d43}$, $NR^{c43}C(=NR^{e43})R^{b43}$, $NR^{c43}S(O)NR^{c43}R^{d43}$, $NR^{c43}S(O)R^{b43}$, $NR^{c43}S(O)_2R^{b43}$, $NR^{c43}S(O)(=NR^{e43})R^{b43}$, $NR^{c43}S(O)_2NR^{c43}R^{d43}$, $S(O)R^{b43}$, $S(O)NR^{c43}R^{d43}$, $S(O)_2R^{b43}$, $S(O)_2NR^{c43}R^{d43}$, $OS(O)(=NR^{e43})R^{b43}$, $OS(O)_2R^{b43}$, $S(O)(=NR^{e43})R^{b43}$, SF_5, $P(O)R^{f43}R^{g43}$, $OP(O)(OR^{h43})(OR^{i43})$, $P(O)(OR^{h43})(OR^{i43})$, and $BR^{j43}R^{k43}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered

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

each R^{a43}, R^{c43}, and R^{d43} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

or, any R^{c43} and R^{d43} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, which is optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{b43} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{e43} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{f43} and R^{g43} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{h43} and R^{i43} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{j43} and R^{k43} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j43} and R^{k43} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

R^Z is selected from R^5 and NR^5R^{5Z};

R^5 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, 3, or 4 independently selected R^{5A} substituents;

R^{5Z} is selected from H, C_{1-6} alkyl, and C_{1-6} haloalkyl;

or, alternatively, R^5 and R^{5Z}, together with the nitrogen atom to which they are attached, form a 4-7 membered heterocycloalkyl ring, which is optionally substituted with 1, 2, 3, or 4 independently selected R^{5A} substituents;

each R^{5A} is independently selected from H, D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a51}, SR^{a51}, $NHOR^{a51}$, $C(O)R^{b51}$, $C(O)NR^{c51}R^{d51}$, $C(O)NR^{c51}(OR^{a51})$, $C(O)OR^{a51}$, $OC(O)R^{b51}$, $OC(O)NR^{c51}R^{d51}$, $NR^{c51}R^{d51}$, $NR^{c51}NR^{c51}R^{d51}$, $NR^{c51}C(O)R^{b51}$, $NR^{c51}C(O)OR^{a51}$, $NR^{c51}C(O)NR^{c51}R^{d51}$, $C(=NR^{e51})R^{b51}$, $C(=NR^{e51})NR^{c51}R^{d51}$, $NR^{c51}C(=NR^{e51})NR^{c51}R^{d51}$, $NR^{c51}C(=NR^{e51})R^{b51}$, $NR^{c51}S(O)NR^{c51}R^{d51}$, $NR^{c51}S(O)R^{b51}$, $NR^{c51}S(O)_2R^{b51}$, $NR^{c51}S(O)(=NR^{e51})R^{b51}$, $NR^{c51}S(O)_2NR^{c51}R^{d51}$, $S(O)R^{b51}$, $S(O)NR^{c51}R^{d51}$, $S(O)_2R^{b51}$, $S(O)_2NR^{c51}R^{d51}$, $OS(O)(=NR^{e51})R^{b51}$, $OS(O)_2R^{b51}$, $S(O)(=NR^{e51})R^{b51}$, SF_5, $P(O)R^{f51}R^{g51}$, $OP(O)(OR^{h51})(OR^{i51})$, $P(O)(OR^{h51})(OR^{i51})$, and $BR^{j51}R^{k51}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{5B} substituents;

each R^{a51}, R^{c51}, and R^{d51} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{5B} substituents;

or, any R^{c51} and R^{d51} attached to the same N atom, together with the N atom to which they are attached, form a 4-10 membered heterocycloalkyl group, wherein the 4-10 membered heterocycloalkyl group is optionally substituted with 1, 2, 3, or 4 independently selected R^{5B} substituents;

each R^{b51} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{5B} substituents;

each R^{e51} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{f51} and R^{g51} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{h51} and R^{i51} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl;

each R^{j51} and R^{k51} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j51} and R^{k51} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 10-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{5B} is independently selected from H, D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a52}, SR^{a52}, $NHOR^{a52}$, $C(O)R^{b52}$, $C(O)NR^{c52}R^{d52}$, $C(O)NR^{c52}(OR^{a52})$, $C(O)OR^{a52}$, $OC(O)R^{b52}$, $OC(O)NR^{c52}R^{d52}$, $NR^{c52}R^{d52}$, $NR^{c52}NR^{c52}R^{d52}$, $NR^{c52}C(O)R^{b52}$, $NR^{c52}C(O)OR^{a52}$, $NR^{c52}C(O)NR^{c52}R^{d52}$, $C(=NR^{e52})R^{b52}$, $C(=NR^{e52})NR^{c52}R^{d52}$, $NR^{c52}C(=NR^{e52})NR^{c52}R^{d52}$, $NR^{c52}C(=NR^{e52})R^{b52}$, $NR^{c52}S(O)NR^{c52}R^{d52}$, $NR^{c52}S(O)R^{b52}$, $NR^{c52}S(O)_2R^{b52}$, $NR^{c52}S(O)(=NR^{e52})R^{b52}$, $NR^{c52}S(O)_2NR^{c52}R^{d52}$, $S(O)R^{b52}$, $S(O)NR^{c52}R^{d52}$, $S(O)_2R^{b52}$, $S(O)_2NR^{c52}R^{d52}$, $OS(O)(=NR^{e52})R^{b52}$, $OS(O)_2R^{b52}$, $S(O)(=NR^{e52})R^{b52}$, SF_5, $P(O)R^{f52}R^{g52}$, $OP(O)(OR^{h52})(OR^{i52})$, $P(O)(OR^{h52})(OR^{i52})$, and $BR^{j52}R^{k52}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{5C} substituents;

each R^{a52}, R^{c52}, and R^{d52} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^{5C} substituents;

or, any R^{c52} and R^{d52} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, wherein the 4-7 membered heterocycloalkyl group is optionally substituted with 1, 2, 3, or 4 independently selected R^{5C} substituents;

each R^{b52} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^{5C} substituents;

each R^{e52} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{f52} and R^{g52} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{h52} and R^{i52} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{j52} and R^{k52} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j52} and R^{k52} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^{5C} is independently selected from H, D, halo, CN, NO_2, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a53}, SR^{a53}, $NHOR^{a53}$, $C(O)R^{b53}$, $C(O)NR^{c53}R^{d53}$, $C(O)NR^{c53}(OR^{a53})$, $C(O)OR^{a53}$, $OC(O)R^{b53}$, $OC(O)NR^{c53}R^{d53}$, $NR^{c53}R^{d53}$, $NR^{c53}NR^{c53}R^{d53}$, $NR^{c53}C(O)R^{b53}$, $NR^{c53}C(O)OR^{a53}$, $NR^{c53}C(O)NR^{c53}R^{d53}$, $C(=NR^{e53})R^{b53}$, $C(=NR^{e53})NR^{c53}R^{d53}$, $NR^{c53}C(=NR^{e53})NR^{c53}R^{d53}$, $NR^{c53}C(=NR^{e53})R^{b53}$, $NR^{c53}S(O)NR^{c53}R^{d53}$, $NR^{c53}S(O)R^{b53}$, $NR^{c53}S(O)_2R^{b53}$, $NR^{c53}S(O)(=NR^{e53})R^{b53}$, $NR^{c53}S(O)_2NR^{c53}R^{d53}$, $S(O)R^{b53}$, $S(O)NR^{c53}R^{d53}$, $S(O)_2R^{b53}$, $S(O)_2NR^{c53}R^{d53}$, $OS(O)(=NR^{e53})R^{b53}$, $OS(O)_2R^{b53}$, $S(O)(=NR^{e53})R^{b53}$, SF_5, $P(O)R^{f53}R^{g53}$, $OP(O)(OR^{h53})(OR^{i53})$, $P(O)(OR^{h53})(OR^{i53})$, and $BR^{j53}R^{k53}$, wherein said C_{1-6} alkyl, C_{2-6}

alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{a53}, R^{c53}, and R^{d53} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

or, any R^{c53} and R^{d53} attached to the same N atom, together with the N atom to which they are attached, form a 4-7 membered heterocycloalkyl group, wherein the 4-7 membered heterocycloalkyl group is optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{b53} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, 3, or 4 independently selected R^G substituents;

each R^{e53} is independently selected from H, OH, CN, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{f53} and R^{g53} is independently selected from H, C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} haloalkoxy, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{h53} and R^{i53} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl;

each R^{j53} and R^{k53} is independently selected from OH, C_{1-6} alkoxy, and C_{1-6} haloalkoxy;

or any R^{j53} and R^{k53} attached to the same B atom, together with the B atom to which they are attached, form a 5- or 6-membered heterocycloalkyl group optionally substituted with 1, 2, 3, or 4 substituents independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl;

each R^6 is independently selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl;

R^7 is selected from H, D, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, OH, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, C_{1-3} alkoxy-C_{1-4} alkyl, and C_{3-4} cycloalkyl; and

each R^G is independently selected from OH, NO_2, CN, halo, C_{1-3} alkyl, C_{2-3} alkenyl, C_{2-3} alkynyl, C_{1-3} haloalkyl, cyano-C_{1-3} alkyl, HO-C_{1-3} alkyl, C_{1-3} alkoxy-C_{1-3} alkyl, C_{3-7} cycloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, di(C_{1-3} alkyl)amino, thio, C_{1-3} alkylthio, C_{1-3} alkylsulfinyl, C_{1-3} alkylsulfonyl, carbamyl, C_{1-3} alkylcarbamyl, di(C_{1-3} alkyl)carbamyl, carboxy, C_{1-3} alkylcarbonyl, C_{1-3} alkoxycarbonyl, C_{1-3} alkylcarbonyloxy, C_{1-3} alkylcarbonylamino, C_{1-3} alkoxycarbonylamino, C_{1-3} alkylaminocarbonyloxy, C_{1-3} alkylsulfonylamino, aminosulfonyl, C_{1-3} alkylaminosulfonyl, di(C_{1-3} alkyl)aminosulfonyl, aminosulfonylamino, C_{1-3} alkylaminosulfonylamino, di(C_{1-3} alkyl)aminosulfonylamino, aminocarbonylamino, C_{1-3} alkylaminocarbonylamino, and di(C_{1-3} alkyl)aminocarbonylamino.

2. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein R^1 is halo, CN, or C_{1-3} haloalkyl.

3. The compound of any one of claims 1-2, or a pharmaceutically acceptable salt thereof, wherein R^7 is H.

4. The compound of any one of claims 1-3, or a pharmaceutically acceptable salt thereof, wherein n is 0 or 1.

5. The compound of any one of claims 1-4, or a pharmaceutically acceptable salt thereof, wherein R^5 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4}

alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, or 3 independently selected R^{5A} substituents.

6. The compound of any one of claims 1-5, or a pharmaceutically acceptable salt thereof, wherein:

each R^{5A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-4} cycloalkyl, OR^{a51}, and $NR^{c51}R^{d51}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, and C_{3-4} cycloalkyl are each optionally substituted with 1 or 2 independently selected R^{5B} substituents;

each R^{a51}, R^{c51}, and R^{d51} is independently selected from H, C_{1-6} alkyl, and C_{1-6} haloalkyl; and

each R^{5B} is independently selected from H, halo, CN, OH, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, and di(C_{1-3} alkyl)amino.

7. The compound of any one of claims 1-5, or a pharmaceutically acceptable salt thereof, wherein:

each R^{5A} is independently selected from H, halo, CN, C_{1-3} alkyl, C_{1-3} haloalkyl, and $NR^{c51}R^{d51}$; and

each R^{c51} and R^{d51} is independently selected from H and C_{1-3} alkyl.

8. The compound of any one of claims 1-7, or a pharmaceutically acceptable salt thereof, wherein R^2, R^3, and R^4 are defined as in Group (a).

9. The compound of any one of claims 1-8, or a pharmaceutically acceptable salt thereof, wherein R^2 is H, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, or C_{1-3} alkoxy-C_{1-4} alkyl.

10. The compound of any one of claims 1-9, or a pharmaceutically acceptable salt thereof, wherein R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered

heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} cycloalkyl, 6-10 membered aryl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-10} cycloalkyl-C_{1-4} alkyl, 6-10 membered aryl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, 3, or 4 independently selected R^{4A} substituents.

11. The compound of any one of claims 1-9, or a pharmaceutically acceptable salt thereof, wherein R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, 4-9 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-9 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, 4-9 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-9 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, or 3 independently selected R^{4A} substituents.

12. The compound of any one of claims 1-9, or a pharmaceutically acceptable salt thereof, wherein R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, tetrahydropyranyl, pyridyl, pyrazolyl, isobenzofuran-1(3H)-one, and cyclopropylmethyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, tetrahydropyranyl, pyridyl, pyrazolyl, isobenzofuran-1(3H)-one, and cyclopropylmethyl are each optionally substituted by 1, 2, or 3 independently selected R^{4A} substituents.

13. The compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, wherein:

each R^{4A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a41}, SR^{a41}, $NHOR^{a41}$, $C(O)R^{b41}$, $C(O)NR^{c41}R^{d41}$, $C(O)OR^{a41}$, $OC(O)R^{b41}$, $OC(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, $NR^{c41}C(O)R^{b41}$, $NR^{c41}C(O)OR^{a41}$, $NR^{c41}C(O)NR^{c41}R^{d41}$, $NR^{c41}S(O)_2R^{b41}$, $NR^{c41}S(O)_2NR^{c41}R^{d41}$, $S(O)_2R^{b41}$, and $S(O)_2NR^{c41}R^{d41}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-

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

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{4B} is independently selected from H, D, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a42}, SR^{a42}, $NHOR^{a42}$, $C(O)R^{b42}$, $C(O)NR^{c42}R^{d42}$, $C(O)OR^{a42}$, $OC(O)R^{b42}$, $OC(O)NR^{c42}R^{d42}$, $NR^{c42}R^{d42}$, $NR^{c42}C(O)R^{b42}$, $NR^{c42}C(O)OR^{a42}$, $NR^{c42}C(O)NR^{c42}R^{d42}$, $NR^{c42}S(O)_2R^{b42}$, $NR^{c42}S(O)_2NR^{c42}R^{d42}$, $S(O)_2R^{b42}$, and $S(O)_2NR^{c42}R^{d42}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{a42}, R^{c42}, and R^{d42} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{b42} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents; and

each R^{4C} is independently selected from H, D, halo, CN, OH, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, and di(C_{1-3} alkyl)amino.

14. The compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, wherein:

each R^{4A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a41}, $C(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, and $NR^{c41}C(O)R^{b41}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H and C_{1-6} alkyl, wherein said C_{1-6} alkyl is optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl, which is optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{4B} is independently selected from H, D, halo, CN, C_{1-6} alkyl, 4-7 membered heterocycloalkyl, C_{3-7} cycloalkyl-C_{1-4} alkyl, OR^{a42}, $NR^{c42}R^{d42}$, and $NR^{c42}C(O)R^{b42}$, wherein said C_{1-6} alkyl and 4-7 membered heterocycloalkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{a42}, R^{c42}, and R^{d42} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, and C_{3-7} cycloalkyl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, and C_{3-7} cycloalkyl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{b42} is independently selected from C_{1-6} alkyl, which is optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents; and

each R^{4C} is independently selected from D, CN, OH, and C_{1-3} alkyl.

15. The compound of any one of claims 1-12, or a pharmaceutically acceptable salt thereof, wherein:

each R^{4A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a41}, SR^{a41}, $NHOR^{a41}$, $C(O)R^{b41}$, $C(O)NR^{c41}R^{d41}$, $C(O)OR^{a41}$, $OC(O)R^{b41}$, $OC(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, $NR^{c41}C(O)R^{b41}$, $NR^{c41}C(O)OR^{a41}$, $NR^{c41}C(O)NR^{c41}R^{d41}$, $NR^{c41}S(O)_2R^{b41}$, $NR^{c41}S(O)_2NR^{c41}R^{d41}$, $S(O)_2R^{b41}$, and $S(O)_2NR^{c41}R^{d41}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents; and

each R^{4B} is independently selected from H, halo, CN, OH, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, and di(C_{1-3} alkyl)amino.

16. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

n is 0, 1, or 2;

R^1 is H, halo, CN, C_{1-3} alkyl, or C_{1-3} haloalkyl;

R^2 is H, halo, CN, C_{1-4} alkyl, C_{1-4} haloalkyl, cyano-C_{1-4} alkyl, HO-C_{1-4} alkyl, or C_{1-3} alkoxy-C_{1-4} alkyl;

R^3 is H, halo, CN, C_{1-3} alkyl, or C_{1-3} haloalkyl;

R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, 3, or 4 independently selected R^{4A} substituents;

each R^{4A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-4} cycloalkyl, OR^{a41}, SR^{a41}, $C(O)R^{b41}$, $C(O)NR^{c41}R^{d41}$, $C(O)OR^{a41}$, $OC(O)R^{b41}$, $OC(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, $NR^{c41}C(O)R^{b41}$, $NR^{c41}C(O)OR^{a41}$, $NR^{c41}C(O)NR^{c41}R^{d41}$, $NR^{c41}S(O)_2R^{b41}$, $NR^{c41}S(O)_2NR^{c41}R^{d41}$, $S(O)_2R^{b41}$, and $S(O)_2NR^{c41}R^{d41}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, and C_{3-4} cycloalkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H, C_{1-6} alkyl, and C_{1-6} haloalkyl, wherein said C_{1-6} alkyl, and C_{1-6} haloalkyl are optionally substituted with 1 or 2 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl and C_{1-6} haloalkyl, which are each optionally substituted with 1 or 2 independently selected R^{4B} substituents;

each R^{4B} is independently selected from H, halo, CN, OH, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, and di(C_{1-3} alkyl)amino;

R^Z is R^5;

R^5 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, or 3 independently selected R^{5A} substituents;

each R^{5A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-4} cycloalkyl, OR^{a51}, and $NR^{c51}R^{d51}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, and C_{3-4} cycloalkyl are each optionally substituted with 1 or 2 independently selected R^{5B} substituents;

each R^{a51}, R^{c51}, and R^{d51} is independently selected from H, C_{1-6} alkyl, and C_{1-6} haloalkyl;

each R^{5B} is independently selected from H, halo, CN, OH, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, and di(C_{1-3} alkyl)amino;

each R^6 is independently H, halo, C_{1-3} alkyl, or C_{1-3} haloalkyl; and

R^7 is H.

17. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

n is 0 or 1;

Ring moiety **A** is a piperidine ring;

R^1 is halo, CN, C_{1-3} alkyl, or C_{1-3} haloalkyl;

R^2 is H, halo, C_{1-6} alkyl, C_{1-6} haloalkyl, or HO-C_{1-6} alkyl;

R^3 is H, halo, CN, C_{1-3} alkyl, or C_{1-3} haloalkyl;

R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, 4-9 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-9 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, 4-9 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-9 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, or 3 independently selected R^{4A} substituents;

each R^{4A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a41}, SR^{a41}, $NHOR^{a41}$, $C(O)R^{b41}$, $C(O)NR^{c41}R^{d41}$, $C(O)OR^{a41}$, $OC(O)R^{b41}$, $OC(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, $NR^{c41}C(O)R^{b41}$, $NR^{c41}C(O)OR^{a41}$, $NR^{c41}C(O)NR^{c41}R^{d41}$, $NR^{c41}S(O)_2R^{b41}$, $NR^{c41}S(O)_2NR^{c41}R^{d41}$, $S(O)_2R^{b41}$, and $S(O)_2NR^{c41}R^{d41}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{4B} is independently selected from H, D, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, 5-6 membered heteroaryl-C_{1-4} alkyl, OR^{a42}, SR^{a42}, $NHOR^{a42}$, $C(O)R^{b42}$, $C(O)NR^{c42}R^{d42}$, $C(O)OR^{a42}$, $OC(O)R^{b42}$, $OC(O)NR^{c42}R^{d42}$, $NR^{c42}R^{d42}$, $NR^{c42}C(O)R^{b42}$, $NR^{c42}C(O)OR^{a42}$, $NR^{c42}C(O)NR^{c42}R^{d42}$, $NR^{c42}S(O)_2R^{b42}$, $NR^{c42}S(O)_2NR^{c42}R^{d42}$, $S(O)_2R^{b42}$, and $S(O)_2NR^{c42}R^{d42}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{a42}, R^{c42}, and R^{d42} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{b42} is independently selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl,

phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl, which are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{4C} is independently selected from H, D, halo, CN, OH, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy, C_{1-3} haloalkoxy, amino, C_{1-3} alkylamino, and di(C_{1-3} alkyl)amino;

R^Z is NR^5R^{5Z} or R^5;

R^{5Z} is H or methyl;

R^5 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, phenyl, 4-7 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-7 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, or 3 independently selected R^{5A} substituents;

each R^{5A} is independently selected from H, halo, CN, C_{1-3} alkyl, C_{1-3} haloalkyl, and $NR^{c51}R^{d51}$;

each R^{c51} and R^{d51} is independently selected from H and C_{1-3} alkyl;

each R^6 is independently H, halo, C_{1-3} alkyl, or C_{1-3} haloalkyl; and

R^7 is H.

18. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:

n is 0 or 1;

Ring moiety **A** is a piperidine ring;

R^1 is halo, CN, C_{1-3} alkyl, or C_{1-3} haloalkyl;

R^2 is H, halo, C_{1-6} alkyl, C_{1-6} haloalkyl, or HO-C_{1-6} alkyl;

R^3 is H, halo, CN, C_{1-3} alkyl, or C_{1-3} haloalkyl;

R^4 is selected from C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, 4-9 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-9 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl; wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, phenyl, 4-9 membered heterocycloalkyl, 5-6 membered heteroaryl, C_{3-7} cycloalkyl-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-9 membered heterocycloalkyl-C_{1-4} alkyl, and 5-6 membered heteroaryl-C_{1-4} alkyl are each optionally substituted by 1, 2, or 3 independently selected R^{4A} substituents;

each R^{4A} is independently selected from H, halo, CN, C_{1-6} alkyl, C_{1-6} haloalkyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, 5-10 membered heteroaryl-C_{1-4} alkyl, OR^{a41}, $C(O)NR^{c41}R^{d41}$, $NR^{c41}R^{d41}$, and $NR^{c41}C(O)R^{b41}$, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, 4-10 membered heterocycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl-C_{1-4} alkyl, and 5-10 membered heteroaryl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{a41}, R^{c41}, and R^{d41} is independently selected from H and C_{1-6} alkyl, wherein said C_{1-6} alkyl is optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{b41} is independently selected from C_{1-6} alkyl, which is optionally substituted with 1, 2, or 3 independently selected R^{4B} substituents;

each R^{4B} is independently selected from H, D, halo, CN, C_{1-6} alkyl, 4-7 membered heterocycloalkyl, C_{3-7} cycloalkyl-C_{1-4} alkyl, OR^{a42}, $NR^{c42}R^{d42}$, and $NR^{c42}C(O)R^{b42}$, wherein said C_{1-6} alkyl and 4-7 membered heterocycloalkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{a42}, R^{c42}, and R^{d42} is independently selected from H, C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, and C_{3-7} cycloalkyl-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{1-6} haloalkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, and C_{3-7} cycloalkyl-C_{1-4} alkyl are each optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{b42} is independently selected from C_{1-6} alkyl, which is optionally substituted with 1, 2, or 3 independently selected R^{4C} substituents;

each R^{4C} is independently selected from D, CN, OH, and C_{1-3} alkyl;

R^Z is NR^5R^{5Z} or R^5;

R^{5Z} is H or methyl;

R^5 is selected from C_{1-6} alkyl, C_{3-7} cycloalkyl, and 5-6 membered heteroaryl, each of which is optionally substituted by 1, 2, or 3 independently selected R^{5A} substituents;

each R^{5A} is independently selected from CH_3 and NH_2;

each R^6 is selected from H, halo, or C_{1-3} haloalkyl; and

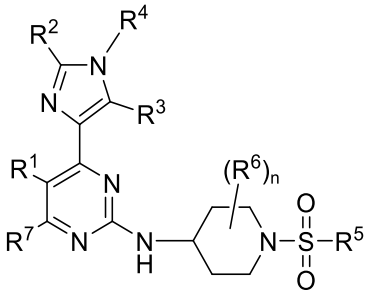
R^7 is H.

19. The compound of any one of claims 1-15 and 17-18, or a pharmaceutically acceptable salt thereof, wherein R^Z is NR^5R^{5Z}.

20. The compound of any one of claims 1-15 and 17-18, or a pharmaceutically acceptable salt thereof, wherein R^Z is $N(CH_3)_2$, $NH(CH_3)$, or NH(cyclopropyl).

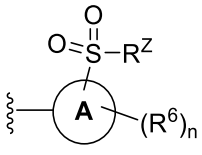
21. The compound of any one of claims 1-18, or a pharmaceutically acceptable salt thereof, wherein R^Z is R^5.

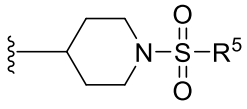
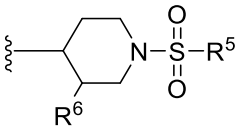
22. The compound of any one of claims 1-18, having Formula (II):



(II)

or a pharmaceutically acceptable salt thereof.

23. The compound of any one of claims 1-18, wherein the moiety  is selected from:

 and .

24. The compound of any one of claims 1-18 and 21-23, or a pharmaceutically acceptable salt thereof, wherein R^5 is selected from C_{1-3} alkyl, C_{3-6} cycloalkyl, and 5-6 membered heteroaryl; wherein said C_{1-3} alkyl, C_{3-7} cycloalkyl, and 5-6 membered heteroaryl are each optionally substituted by 1 or 2 independently selected R^{5A} substituents.

25. The compound of any one of claims 1-18 and 21-23, or a pharmaceutically acceptable salt thereof, wherein R^5 is methyl, ethyl, cyclopropyl, imidazolyl, pyrazolyl, pyridinyl, and pyrimidinyl, each of which is optionally substituted by 1, 2, or 3 independently selected R^{5A} substituents.

26. The compound of any one of claims 1-18 and 21-25, or a pharmaceutically acceptable salt thereof, wherein each R^{5A} is independently selected from CH_3 and NH_2.

27. The compound of any one of claims 1-26, or a pharmaceutically acceptable salt thereof, wherein R^1 is Cl, CN, or CF_3.

28. The compound of any one of claims 1-27, or a pharmaceutically acceptable salt thereof, wherein Ring moiety **A** is piperidin-4-yl.

29. The compound of any one of claims 1-28, or a pharmaceutically acceptable salt thereof, wherein R^3 is H, F, Cl, Br, CN, or CH_3.

30. The compound of any one of claims 1-28, or a pharmaceutically acceptable salt thereof, wherein R^3 is H, Cl, Br, CN, or CH_3.

31. The compound of any one of claims 1-30, or a pharmaceutically acceptable salt thereof, wherein R^2 is H, halo, C_{1-4} alkyl, or HO-C_{1-4} alkyl.

32. The compound of claim 1, selected from:

3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

3-chloro-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-chloro-4-(4-(2-((1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

3-chloro-2-(4-(2-((1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(1-(2-amino-5-fluoropyridin-4-yl)-1*H*-imidazol-4-yl)-*N*-(1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-methyl-4-(4-(2-((1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

N-(3-methyl-4-(4-(2-((1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)pyridin-2-yl)acetamide;

4-(1-(2-amino-3-methylpyridin-4-yl)-1*H*-imidazol-4-yl)-*N*-(1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-methyl-1*H*-imidazol-4-yl)-*N*-(1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(2,5-dichloro-1-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(5-bromo-1-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(5-chloro-1-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1,5-dimethyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazole-5-carbonitrile;

(1-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-2-yl)methanol;

2-methyl-1-(1-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-2-yl)propan-2-ol;

4-(1,2-dimethyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(5-chloro-1-methyl-1*H*-imidazol-4-yl)-*N*-(1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,2-difluoroethyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-methyl-1-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)propan-2-ol;

N-(1-(methylsulfonyl)piperidin-4-yl)-4-(1-(2,2,2-trifluoroethyl)-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-(1-(methylsulfonyl)piperidin-4-yl)-4-(1-(tetrahydro-2*H*-pyran-4-yl)-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-cyclopropyl-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)propanenitrile;

4-(1-(2,2-difluoroethyl)-1*H*-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

4-(1-(2-hydroxy-2-methylpropyl)-1*H*-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

4-(1-(2-chloro-4-cyanophenyl)-1*H*-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

N-(1-(cyclopropylsulfonyl)piperidin-4-yl)-4-(1-(2,2-difluoroethyl)-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(4-(2-((1-(cyclopropylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-2-methylpropan-2-ol;

2-(4-(2-((1-(Methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

N-(1-(Methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)-4-(1-(2-(trifluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)pyrimidin-2-amine;

6-Methyl-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

3-(4-(2-((1-(Methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile; and

3-Methyl-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

or a pharmaceutically acceptable salt thereof.

33. The compound of claim 1, selected from:

6-methyl-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

4-(1-(2-(difluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-2-(trifluoromethyl)benzonitrile;

6-methoxy-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

6-(2-(dimethylamino)ethoxy)-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

6-ethyl-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

3-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-2-methylbenzonitrile;

2-methyl-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(1-(6-methyl-2-(trifluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-chloro-3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

N-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(6-methyl-2-(trifluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

N-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)-4-(1-(2-(trifluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)pyrimidin-2-amine;

5-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-6-methylpicolinonitrile;

4-(1-(2-(difluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-6-methylpicolinonitrile;

3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-6-methoxypicolinonitrile;

6-(2-(dimethylamino)ethoxy)-3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

4-(1-(2-chloro-6-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-fluoro-6-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

4-fluoro-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)isophthalonitrile;

4-(1-(2,3-dichlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-methyl-6-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

2-chloro-3-methyl-6-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

2-bromo-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-(trifluoromethyl)picolinonitrile;

4-(1-(2-chloro-3-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)-4-(1-(4-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)pyrimidin-2-amine;

3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)isonicotinonitrile;

2-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-5-(trifluoromethyl)benzonitrile;

3-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-(trifluoromethyl)benzonitrile;

4-(1-(6-methoxy-2-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-methyl-4-((5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-(trifluoromethyl)pyridin-2-yl)oxy)butan-2-ol;

4-(1-(6-(2-(dimethylamino)ethoxy)-2-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(6-((1-(dimethylamino)propan-2-yl)oxy)-2-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-((5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-(trifluoromethyl)pyridin-2-yl)oxy)propanenitrile;

4-(1-(2-(difluoromethyl)-6-methoxypyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

6-(2-(ethyl(methyl)amino)ethoxy)-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinonitrile;

4-(1-(2-chloro-3-((dimethylamino)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-((4-methylpiperazin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(((4-methyltetrahydro-2H-pyran-4-yl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-((cyclopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidin-3-ol;

1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)phenyl)ethan-1-ol;

(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)methanol;

1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)propan-1-ol;

(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)(cyclopropyl)methanol;

3-(4-(2-((1-(ethylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-6-methylpicolinonitrile;

4-(1-(2-(difluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-((1-methyl-1H-pyrazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-(4-(2-((1-(ethylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinonitrile;

3-(4-(2-((1-((1,5-dimethyl-1H-pyrazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-methylpicolinonitrile;

N-(1-(cyclopropylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)-4-(1-(2-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)pyrimidin-2-amine;

3-(4-(2-((1-(cyclopropylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-(trifluoromethyl)benzonitrile;

5-(4-(2-((1-(ethylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-methylpicolinonitrile;

3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-propylpicolinonitrile;

4-(1-(6-ethyl-2-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-(2-aminopyridin-4-yl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(pyridin-3-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(6-(1-methyl-1H-pyrazol-4-yl)-2-(trifluoromethyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-6-(trifluoromethyl)picolinonitrile;

6-(difluoromethyl)-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinonitrile;

4-(1-(4-(4-(dimethylamino)piperidin-1-yl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl) piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(4-methylpiperazin-1-yl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(7-methyl-2,7-diazaspiro[3.5]nonan-2-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(4-isopropylpiperazin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(S)-4-(1-(4-(3-(dimethylamino)piperidin-1-yl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(4-(methylamino)piperidin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)-1-methylpiperazin-2-one;

(R)-4-(1-(4-(3-(dimethylamino)pyrrolidin-1-yl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(S)-4-(1-(4-(3-(dimethylamino)pyrrolidin-1-yl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(piperazin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-((2-methoxyethyl)amino)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-((3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)(methyl)amino)ethan-1-ol;

4-(1-(2-fluoro-4-(4-(pyrrolidin-1-yl)piperidin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-4-(1-(2-fluoro-4-(3-methylpiperazin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(S)-1-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)pyrrolidin-3-ol;

(R)-4-(1-(2-fluoro-4-((1-methylpiperidin-3-yl)amino)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(4-(dimethylamino)piperidin-1-yl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-methyl-1*H*-pyrazol-5-yl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1,4-dimethyl-1H-1,2,3-triazol-5-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-methyl-1H-1,2,4-triazol-5-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-methyl-1H-1,2,3-triazol-5-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1,4-dimethyl-1H-imidazol-5-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-methyl-1H-imidazol-5-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

5-(1-methyl-1*H*-1,2,4-triazol-5-yl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

5-(difluoromethoxy)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(1-(4-(1,3-dimethyl-1*H*-pyrazol-4-yl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(1-methyl-1*H*-1,2,3-triazol-5-yl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(1-methyl-1H-pyrazol-5-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

6-methyl-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinamide;

6-methyl-*N*-(methyl-d_3)-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinamide;

N,6-dimethyl-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinamide;

N-isopropyl-6-methyl-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinamide;

N-ethyl-6-methyl-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinamide;

3-chloro-*N*,*N*-dimethyl-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzamide;

3-chloro-2-fluoro-*N*,*N*-dimethyl-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzamide;

2,3-dichloro-*N*-methyl-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzamide;

(*R*)-1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)phenyl)pyrrolidin-3-ol;

(S)-1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)pyrrolidin-3-ol;

(S)-4-(1-(2-chloro-4-(3-methylpiperazin-1-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-4-(1-(2-chloro-4-(3-methylpiperazin-1-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)-1-methylpiperazin-2-one;

4-(1-(2-chloro-4-(3-(dimethylamino)pyrrolidin-1-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((2-methoxyethyl)amino)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(4-(dimethylamino)piperidin-1-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(4-(pyrrolidin-1-yl)piperidin-1-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)-3-methylimidazolidin-2-one;

4-(1-(2-chloro-4-(4-methylpiperazin-1-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)-N1,N2,N2-trimethylethane-1,2-diamine;

4-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)piperazin-2-one;

4-(1-(2-chloro-4-methoxyphenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

6-methyl-3-(4-(2-(((3*R*,4*S*)-3-methyl-1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

3-(4-(2-(((3R,4S)-1-((2-aminopyrimidin-5-yl)sulfonyl)-3-methylpiperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-6-methylpicolinonitrile;

6-methyl-3-(4-(2-(((3R,4S)-3-methyl-1-((1-methyl-1H-pyrazol-3-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinonitrile;

2-chloro-3-(4-(2-(((3*R*,4*S*)-3-methyl-1-((1-methyl-1*H*-imidazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(1-(5-bromoquinoxalin-6-yl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(2-(dimethylamino)ethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(2-(azetidin-1-yl)ethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenethyl)-1-methylpiperazin-2-one;

4-(1-(4-(azetidin-3-yl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(1-methylpiperidin-4-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(5-bromoquinoxalin-6-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(8-bromoquinolin-7-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(5-bromoquinolin-6-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(8-chloroquinolin-7-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(5-methylquinoxalin-6-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

6-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)quinoxaline-5-carbonitrile;

4-methyl-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

4-(1-(1,3-dimethyl-1*H*-pyrazol-4-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-chloro-4-(5-chloro-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

3-chloro-4-(4-(5-chloro-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

3-chloro-4-(4-(2-(((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

3-chloro-4-(4-(2-(((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

N-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzyl)-*N*-methylacetamide;

4-(1-(2-chloro-4-((dimethylamino)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((3-methylazetidin-1-yl)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(pyrrolidin-1-ylmethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((2-azabicyclo[2.2.2]octan-2-yl)methyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((2-azabicyclo[2.2.1]heptan-2-yl)methyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(*R*)-1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((dimethylamino)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzyl)acetamide;

4-(1-(2-chloro-4-(((2,2-difluoroethyl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-((3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)amino)acetonitrile;

4-(1-(2-chloro-4-(((2,2,2-trifluoroethyl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((ethylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((cyclopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(((cyclopropylmethyl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((ethyl(methyl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((3,3-difluoroazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylazetidin-3-ol;

4-(1-(2-chloro-4-((3-methoxyazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((3-fluoro-3-methylazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((3-fluoroazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidine-3-carbonitrile;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidin-3-ol;

4-(1-(2-chloro-4-((3,3-dimethylazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-2-methylazetidin-2-yl)methanol;

2-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-2-azaspiro[3.3]heptan-6-ol;

2-(1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidin-3-yl)propan-2-ol;

(S)-1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

(R)-1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)pyrrolidin-3-ol;

(S)-1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)pyrrolidin-3-ol;

(R)-4-(1-(2-chloro-4-((3-methoxypyrrolidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(piperidin-1-ylmethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((4-methylpiperazin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(morpholinomethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-1-methylpiperazin-2-one;

4-(1-(2-chloro-4-((hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((2-oxa-5-azabicyclo[2.2.1]heptan-5-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((3-oxa-6-azabicyclo[3.1.1]heptan-6-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((3-oxa-8-azabicyclo[3.2.1]octan-8-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((2-oxa-5-azabicyclo[2.2.2]octan-5-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-((3-chloro-4-(4-(2-(((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)amino)acetonitrile;

4-(1-(2-chloro-4-((ethylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((dimethylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((cyclopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-1-(cyclopropylsulfonyl)-3-methylpiperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((dimethylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-1-(cyclopropylsulfonyl)-3-methylpiperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-1-(cyclopropylsulfonyl)-3-methylpiperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((3-methylazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

5-chloro-4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(cyclopropylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(ethylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-((4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-yl)amino)-*N*-cyclopropylpiperidine-1-sulfonamide;

(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)phenyl)methanol;

2-(hydroxymethyl)-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)isobenzofuran-1(3*H*)-one;

(3-chloro-4-(4-(2-(((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)methanol;

3-(hydroxymethyl)-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

6-(hydroxymethyl)-5-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinonitrile;

(2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)methanol;

4-(1-(4-((1*H*-imidazol-1-yl)methyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((4H-1,2,4-triazol-4-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((1H-1,2,4-triazol-1-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((2H-1,2,3-triazol-2-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((1H-1,2,3-triazol-1-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((2H-tetrazol-2-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((1H-tetrazol-1-yl)methyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-(difluoromethyl)-6-((methylamino)methyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(6-((dimethylamino)methyl)-2-(trifluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(6-(azetidin-1-ylmethyl)-2-(trifluoromethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)phenyl)ethan-1-ol;

5-((methylamino)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

4-(1-(4-((dimethylamino)methyl)-2-(trifluoromethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-(trifluoromethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(6-(azetidin-1-ylmethyl)-2-methylpyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((dimethylamino)methyl)-3-fluorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((methylamino)methyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethylamino)methyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((cyclopropylamino)methyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethyl(methyl)amino)methyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((diethylamino)methyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-3-(trifluoromethyl)benzyl)azetidin-3-ol;

(S)-1-(4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-3-(trifluoromethyl)benzyl)pyrrolidin-3-ol;

(S)-3-methyl-1-(4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-3-(trifluoromethyl)benzyl)pyrrolidin-3-ol;

4-methyl-1-(4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-3-(trifluoromethyl)benzyl)piperidin-4-ol;

4-(1-(6-((dimethylamino)methyl)-2-methylpyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-methyl-6-((3-methylazetidin-1-yl)methyl)pyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(6-((3,3-dimethylazetidin-1-yl)methyl)-2-methylpyridin-3-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((dimethylamino)methyl)-2-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-fluoro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chloro-3-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-fluoro-4-((3-methylazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((dimethylamino)methyl)-2-methylphenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-methyl-4-((methylamino)methyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-(ethylamino)ethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(1-(azetidin-1-yl)ethyl)-2-chlorophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-(methylamino)ethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-(methylamino)ethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(piperidin-2-yl)phenyl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(piperidin-2-yl)phenyl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((dimethylamino)methyl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((bis(methyl-d_3)amino)methyl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-(1-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzyl)azetidin-3-yl)propan-2-ol;

4-(1-(2-fluoro-4-((3-methylazetidin-1-yl)methyl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-methylphenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((dimethylamino)methyl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(2-fluoro-4-((methylamino)methyl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((dimethylamino)methyl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

4-(1-(2-chloro-4-((methylamino)methyl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

4-(1-(4-cyano-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-2-((1-(methylsulfonyl)piperidin-4-yl)amino)pyrimidine-5-carbonitrile;

2-methoxy-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)nicotinonitrile ;

3-methyl-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

2-methyl-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)nicotinonitrile;

3-fluoro-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

4-(1-(3-chloro-2-methoxypyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-chloro-2-methylpyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methoxynicotinonitrile;

N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(3-fluoropyridin-4-yl)-2-methyl-1H-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-fluoro-4-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-2-methyl-1H-imidazol-1-yl)benzonitrile;

4-(1-(3-chloro-2-methoxypyridin-4-yl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-chloro-2-methylpyridin-4-yl)-1*H*-imidazol-4-yl)-*N*-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-3-methylpicolinonitrile;

3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

2-fluoro-3-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

2-fluoro-3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-2-methyl-1*H*-imidazol-1-yl)benzonitrile;

3-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-2-methyl-1*H*-imidazol-1-yl)-2-methylbenzonitrile;

3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

3-chloro-4-(4-(2-(((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)picolinonitrile;

3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)picolinonitrile;

3-fluoro-4-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-2-methyl-1H-imidazol-1-yl)picolinonitrile;

N-((3*R*,4*S*)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(3-fluoro-2-methoxypyridin-4-yl)-2-methyl-1*H*-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-methoxy-3-methylpyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(3-fluoro-2-methylpyridin-4-yl)-2-methyl-1H-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-fluoro-2-methoxypyridin-4-yl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-(4-ethylpiperazin-1-yl)-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)nicotinonitrile;

2-(4-methylpiperazin-1-yl)-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)nicotinonitrile;

4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-morpholinonicotinonitrile;

4-(1-(3-chloro-2-(4-ethylpiperazin-1-yl)pyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-chloro-2-(4-methylpiperazin-1-yl)pyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-chloro-2-morpholinopyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-chloro-2-(dimethylamino)pyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-chloro-2-(methylamino)pyridin-4-yl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(4-(2-(((3*R*,4*S*)-1-(cyclopropylsulfonyl)-3-fluoropiperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-2-methylpropan-2-ol;

1-(4-(2-((1-(ethylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)-2-methylpropan-2-ol;

1-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methylpropan-2-ol;

1-(4-(2-(((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methylpropan-2-ol;

2-methyl-1-(4-(2-(((3R,4S)-3-methyl-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)propan-2-ol;

4-(1-(2,2-difluoroethyl)-1H-imidazol-4-yl)-N-(1-(ethylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-((3R,4S)-1-(cyclopropylsulfonyl)-3-fluoropiperidin-4-yl)-4-(1-(2,2-difluoroethyl)-1H-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,2-difluoroethyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,2-difluoroethyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(4-(2-(((3R,4S)-1-(cyclopropylsulfonyl)-3-methylpiperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methylpropan-2-ol;

1-(4-(2-(((3R,4R)-1-(cyclopropylsulfonyl)-3-fluoropiperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methylpropan-2-ol;

4-(1-(2,2-difluoroethyl)-1H-imidazol-4-yl)-N-(1-((1-methyl-1H-pyrazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(4-(2-(((3R,4R)-3-fluoro-1-((1-methyl-1H-pyrazol-3-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methylpropan-2-ol;

1-(4-(2-(((3R,4R)-3-fluoro-1-((1-methyl-1H-pyrazol-4-yl)sulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-methylpropan-2-ol;

4-(1-(2,2-difluoroethyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-methyl-1-((1-methyl-1H-imidazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-methyl-1-(4-(2-((1-(pyridin-2-ylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)propan-2-ol;

5-((4-ethylpiperazin-1-yl)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

5-((isopropylamino)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

5-((ethylamino)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

(R)-5-((3-hydroxypyrrolidin-1-yl)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

5-((cyclopropylamino)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

5-((4-methylpiperazin-1-yl)methyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-5-(piperidin-1-ylmethyl)benzonitrile;

2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-5-(pyrrolidin-1-ylmethyl)benzonitrile;

4-(1-(4-((cyclopropylamino)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,6-difluoro-4-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethylamino)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,6-difluoro-4-((methylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((4-ethylpiperazin-1-yl)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,6-difluoro-4-((4-methylpiperazin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-((3-methoxyazetidin-1-yl)methyl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylazetidin-3-ol;

1-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidin-3-ol;

4-(1-(4-((cyclopropylamino)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((diethylamino)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethyl(methyl)amino)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethylamino)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-((ethylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylazetidin-3-ol;

(R)-1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

(R)-1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)pyrrolidin-3-ol;

(S)-1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)pyrrolidin-3-ol;

4-(1-(3-(azetidin-1-ylmethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(((tetrahydrofuran-3-yl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(((tetrahydro-2H-pyran-4-yl)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(2-morpholinoethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(2-(dimethylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(2-(cyclopropylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenethyl)-3-methylazetidin-3-ol;

4-(1-(3-(2-(azetidin-1-yl)ethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenethyl)-3-methylpyrrolidin-3-ol;

4-(1-(2-chloro-3-(1-(ethylamino)ethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(1-(dimethylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(1-(methylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-((methylamino)methyl)-2-(trifluoromethyl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-methyl-1-(3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-(trifluoromethyl)benzyl)azetidin-3-ol;

4-(1-(3-(azetidin-1-ylmethyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-3-methyl-1-(3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-(trifluoromethyl)benzyl)pyrrolidin-3-ol;

4-(1-(2-methyl-6-(piperidin-1-ylmethyl)pyridin-3-yl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(5-bromo-1-methyl-1*H*-imidazol-4-yl)-*N*-(1-((1-methyl-1*H*-pyrazol-4-yl)sulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

2-chloro-3-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-2-methyl-1H-imidazol-1-yl)benzonitrile;

4-(1-(2-fluoro-4-((isopropylamino)methyl)-6-methylphenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,6-difluoro-4-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(2-fluoro-4-((4-methylpiperazin-1-yl)methyl)phenyl)-2-methyl-1H-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(2-fluoro-4-((isopropylamino)methyl)phenyl)-2-methyl-1H-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethylamino)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethylamino)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,6-difluoro-4-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((4-ethylpiperazin-1-yl)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((ethylamino)methyl)-6-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-6-fluoro-4-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chloro-6-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((4-ethylpiperazin-1-yl)methyl)-6-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-1-(3-chloro-4-(4-(2-(((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

4-(1-(2-chloro-4-((4-ethylpiperazin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((ethylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-1-(3-chloro-5-fluoro-4-(4-(2-(((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

4-(1-(2-chloro-4-((4-ethylpiperazin-1-yl)methyl)-6-fluorophenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(azetidin-1-ylmethyl)-2-chloro-6-fluorophenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-6-fluoro-4-((isopropylamino)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-((ethylamino)methyl)-6-fluorophenyl)-1H-imidazol-4-yl)-N-((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-4-(1-(2-fluoro-4-(pyrrolidin-1-ylmethyl)phenyl)-2-methyl-1H-imidazol-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((cyclopropylamino)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(3,5-difluoro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-1-methylpiperazin-2-one;

(S)-1-(3-chloro-4-(4-(2-(((3R,4R)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

(R)-1-(3-chloro-4-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

(S)-1-(3-chloro-4-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylpyrrolidin-3-ol;

4-(1-(4-(4-(diethylamino)piperidin-1-yl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(4-methyl-4-(pyrrolidin-1-yl)piperidin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(4-(4-methylpiperazin-1-yl)piperidin-1-yl)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(2-(azetidin-1-yl)ethyl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-fluoro-4-(1-methylazetidin-3-yl)phenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(1-ethylazetidin-3-yl)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(*S*)-1-(3-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)phenyl)azetidin-1-yl)propan-2-ol;

2-(3-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)azetidin-1-yl)ethan-1-ol;

(R)-1-(3-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)azetidin-1-yl)propan-2-ol;

1-((3-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)azetidin-1-yl)methyl)cyclopropan-1-ol;

4-(1-(4-(2-(dimethylamino)ethoxy)-2-fluorophenyl)-2-methyl-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine ;

4-(1-(2-fluoro-4-(2-(pyrrolidin-1-yl)ethoxy)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(S)-4-(1-(2-fluoro-4-((1-methylpyrrolidin-2-yl)methoxy)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

(R)-4-(1-(2-fluoro-4-((1-methylpyrrolidin-2-yl)methoxy)phenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

5-(1-isopropylazetidin-3-yl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

5-(1-methylazetidin-3-yl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

5-(1-ethylazetidin-3-yl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

5-(4-methylpiperazin-1-yl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

5-(methyl(2-(methylamino)ethyl)amino)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

5-((2-(dimethylamino)ethyl)amino)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

5-(2-(dimethylamino)ethyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-5-(2-(pyrrolidin-1-yl)ethyl)benzonitrile;

5-(2-(dimethylamino)ethoxy)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzonitrile;

5-ethoxy-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-5-(2-(pyrrolidin-1-yl)ethoxy)benzonitrile;

4-(1-(2-chloro-4-(1-ethylpiperidin-4-yl)phenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-methylpiperidin-4-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-4-(1-methylazetidin-3-yl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1*H*-imidazol-1-yl)benzyl)oxazolidin-2-one;

4-(1-(2-bromophenyl)-1*H*-imidazol-4-yl)-*N*-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2,6-difluoro-4-((4-methylpiperazin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((ethylamino)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-((4-ethylpiperazin-1-yl)methyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-fluoro-4-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-2-methyl-1H-imidazol-1-yl)benzyl)-4-methylpiperidin-4-ol;

4-(1-(4-((4-ethylpiperazin-1-yl)methyl)-2,6-difluorophenyl)-1H-imidazol-4-yl)-N-((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(((2,2-difluoroethyl)amino)methyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

3-methyl-1-(4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-3-(trifluoromethyl)benzyl)azetidin-3-ol;

4-(1-(4-(((2,2-difluoroethyl)amino)methyl)-2-methylphenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-4-methylpiperazin-2-one;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidin-2-one;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)-3-methylimidazolidin-2-one;

1-(3-chloro-4-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)pyrrolidin-2-one;

1-(1-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)piperidin-4-yl)pyrrolidin-3-ol;

1-(3-fluoro-4-(2-methyl-4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)phenyl)-3-methylazetidin-3-ol;

5-(2-(4-methylpiperazin-1-yl)ethyl)-2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

2-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-5-(2-(piperidin-1-yl)ethyl)benzonitrile;

4-(1-(4-(3-(azetidin-1-yl)propyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(4-(3-(ethyl(methyl)amino)propyl)-2-fluorophenyl)-2-methyl-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(2-bromo-1-(2-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(((methyl-d3)amino)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(2-chloro-3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzyl)azetidine-3-carbonitrile;

4-(1-(2-chloro-3-(2-(4-methylpiperazin-1-yl)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(2-(isopropylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(2-(ethylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(2-(methylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(2-chloro-3-(1-(isopropylamino)ethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

4-(1-(3-(1-(azetidin-1-yl)ethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine;

1-(3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-(trifluoromethyl)benzyl)azetidine-3-carbonitrile;

(S)-1-(3-(4-(2-((1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)-2-(trifluoromethyl)benzyl)pyrrolidine-3-carbonitrile; and

2-(4-(2-(((3R,4S)-3-fluoro-1-(methylsulfonyl)piperidin-4-yl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)-1H-imidazol-1-yl)benzonitrile;

or a pharmaceutically acceptable salt thereof.

34. A compound which is 4-(1-(4-(azetidin-1-ylmethyl)-2-chlorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine, or a pharmaceutically acceptable salt thereof.

35. A compound which is 4-(1-(2-chloro-4-((3-methylazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine, or a pharmaceutically acceptable salt thereof.

36. A compound which is 4-(1-(4-(azetidin-1-ylmethyl)-2-(trifluoromethyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine, or a pharmaceutically acceptable salt thereof.

37. A compound which is 4-(1-(4-(azetidin-1-ylmethyl)-2-chloro-3-fluorophenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine, or a pharmaceutically acceptable salt thereof.

38. A compound which is 4-(1-(2-chloro-3-fluoro-4-((3-methylazetidin-1-yl)methyl)phenyl)-1H-imidazol-4-yl)-N-(1-(methylsulfonyl)piperidin-4-yl)-5-(trifluoromethyl)pyrimidin-2-amine, or a pharmaceutically acceptable salt thereof.

39. A pharmaceutical composition comprising a compound of any one of claims 1-38, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

40. A method of inhibiting CDK2 *in vitro*, comprising contacting the CDK2 *in vitro* with a compound of any one of claims 1-38, or a pharmaceutically acceptable salt thereof.

41. Use of a compound of any one of claims 1-38, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for inhibition of cyclin-dependent kinase 2 (CDK2) in a patient.

42. Use of a compound of any one of claims 1-38, or pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treatment of a disease or disorder associated with cyclin-dependent kinase 2 (CDK2) in a patient, wherein the disease or disorder is associated with an amplification of the cyclin E1 (CCNE1) gene and/or overexpression of CCNE1, and wherein the disease or disorder is cancer.

43. Use of a compound of any one of claims 1-38, or pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treatment of a disease or disorder associated with cyclin-dependent kinase 2 (CDK2) in a patient, wherein the disease or disorder is cancer.

44. Use of a compound of any one of claims 1-38, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for treatment of a human subject having a disease or disorder associated with cyclin-dependent kinase 2 (CDK2), wherein the human subject has been previously determined to:

(i)

(a) have a nucleotide sequence encoding a p16 protein comprising the amino acid sequence of SEQ ID NO:1; and/or

(b) have a cyclin dependent kinase inhibitor 2A (CDKN2A) gene lacking one or more

inactivating nucleic acid substitutions and/or deletions;

(ii)

(a) have an amplification of the cyclin E1 (CCNE1) gene; and/or

(b) have an expression level of CCNE1 in a biological sample obtained from the human subject that is higher than a control expression level of CCNE1;

wherein the disease or disorder is cancer.

45. The use of claim 44, wherein the human subject has been previously determined to:

(i)

(a) have a nucleotide sequence encoding a p16 protein comprising the amino acid sequence of SEQ ID NO:1; and/or

(b) have a CDKN2A gene lacking one or more inactivating nucleic acid substitutions and/or deletions; and

(ii)

(a) have an amplification of the CCNE1 gene.

46. Use of a compound of any one of claims 1-38, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for evaluation of the response of a human subject having a disease or disorder associated with cyclin-dependent kinase 2 (CDK2), wherein the human subject has been previously determined to have an amplification of the cyclin E1 (CCNE1) gene and/or an expression level of CCNE1 that is higher than a control expression level of CCNE1;

wherein a reduced level of Rb phosphorylation at the serine corresponding to amino acid position 780 of SEQ ID NO:3, as compared to a control level of Rb phosphorylation at the serine corresponding to amino acid position 780 of SEQ ID NO:3, is indicative that the human subject responds to the compound or the salt, as measured in a biological sample obtained from the subject;

wherein the disease or disorder is cancer.

47. The use of any one of claims 46-51, wherein the cancer is breast cancer.

48. The use of any one of claims 46-51, wherein the cancer is endometrial cancer.

49. The use of any one of claims 46-51, wherein the cancer is ovarian cancer.

50. The use of claim 49, wherein the ovarian cancer is serous cystadenocarcinoma, mucinous cystadenocarcinoma, or unclassified carcinoma.

51. The use of any one of claims 46-51, wherein the cancer is selected from lung cancer, fallopian tube cancer, gastrointestinal cancer, uterine cancer, urothelial cancer, anal cancer, bile duct cancer, cancer of the small bowel, cancer of the large bowel, colon cancer, colorectal cancer, rectal cancer, cancer of the small intestine, esophageal cancer, islet cell cancer, liver cancer, hepatocellular carcinoma, pancreatic cancer, and gastric cancer.

52. The use of claim 51, wherein the cancer is lung cancer, and the lung cancer is non-small cell lung cancer or small cell lung cancer.

53. The use of claim 51, wherein the cancer is cancer of the small bowel, and the cancer of the small bowel is an adenocarcinoma, a lymphoma, a carcinoid tumor, a Kaposi's sarcoma, a leiomyoma, a hemangioma, a lipoma, a neurofibroma, or a fibroma.

54. The use of claim 51, wherein the cancer is cancer of the large bowel, and the cancer of the large bowel is an adenocarcinoma, a tubular adenoma, a villous adenoma, a hamartoma, or a leiomyoma.