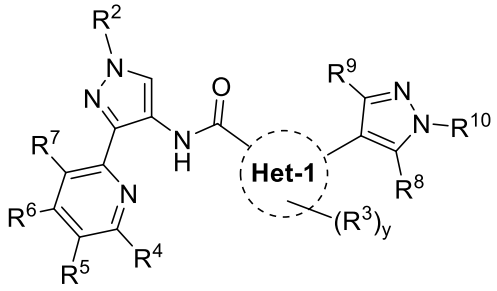
Claims

1. The compound of claim 2, wherein each of R^4, R^6, and R^7 independently is H, F or CF_3, and R^5 is H, F, CF_3, methoxy, morpholin-4-yl, 1-methylpiperidin-4-yl, -O-$CH_2C(CH_3)_2OH$, or –O-(oxetan-3-yl).

2. A compound, having a formula



or salt thereof, wherein:

Het-1 is 5-membered heteroaryl;

y is from 1 to 2;

R^2 is H, aliphatic, heteroaliphatic, heterocycloaliphatic, aryl, amide, heterocyclyl or araliphatic;

each R^3 independently is H, aliphatic, halogen, heteroaliphatic, -O-aliphatic, heterocyclyl, aryl, araliphatic, –O-heterocyclyl, hydroxyl, nitro, cyano, carboxyl, carboxyl ester, acyl, amide, amino, sulfonyl, sulfonamide, sulfanyl, sulfinyl, haloalkyl, alkylphosphate, or alkylphosphonate, wherein R^3 is not pyridinyl;

R^4, R^5, R^6 and R^7 are each independently H, aliphatic, heteroaliphatic, alkoxy, heterocyclyl, aryl, araliphatic, –O-heterocyclyl, hydroxyl, haloalkyl, halogen, nitro, cyano, carboxyl, carboxyl ester, acyl, amide, amino, sulfonyl, sulfonamide, sulfanyl or sulfinyl;

R^8 and R^9 are each independently H, aliphatic, heteroaliphatic, aryl, heterocyclyl, sulfonyl, nitro, halogen, haloalkyl, carboxyl ester, cyano or amino; and

R^{10} is H, aliphatic, alkoxy, heteroaliphatic, carboxyl ester, araliphatic, NO_2, CN, OH, haloalkyl, acyl, alkyl phosphate or alkylphosphonate.

3. The compound of claim 2, wherein R^8 and R^9 are each independently H, halogen, haloalkyl, or alkyl.

4. The compound of claim 2, wherein R^{10} is H, alkyl, carboxyl ester, acyl, alkyl phosphate, alkyl phosphonate or aralkyl.

5. The compound of claim 2, wherein:

R^2 is R^a, R^b, R^a substituted with 1, 2 or 3 R^b, R^a substituted with R^b and R^c, R^a substituted with R^c, $-(CR^aR^a)_n-R^a$, $-(CH_2)_n-R^a$, $-(CR^aR^a)_n-R^b$ or $-(CH_2)_n-R^b$;

each of R^4, R^5, R^6, and R^7 independently is R^a, R^b, Ra substituted with R^c, $-OR^a$, $-O-(CR^aR^a)_p-R^b$;

R^{10} is R^a, R^b, R^a substituted with $-OP(O)(R^f)_2$, R^a substituted with 1, 2 or 3 R^b, R^a substituted with R^c, R^a substituted with $-P(O)(R^f)_2$, aralkyl, $-(CR^aR^a)_n-R^a$, $-(CH_2)_n-R^a$ or $-C(O)C(R^a)_2NR^aR^b$

n is 1, 2 or 3;

p is 1, 2, or 3;

R^a is independently for each occurrence H, D, C_{1-6}alkyl, C_{3-6}cycloalkyl, C_{3-6}cycloalkenyl or C_{3-6}heteroalicyclyl;

R^b is independently for each occurrence -OH, $-CF_3$, $-OR^c$, $-NR^dR^d$, -C(O)OH, $-C(O)R^c$, $-C(O)OR^c$, $-C(O)NR^dR^d$ or halogen;

R^c is independently for each occurrence C_{1-6}alkyl, C_{3-6}cycloalkyl, C_{3-6}heteroalicyclyl, aralkyl, C_{1-6}alkyl substituted with 1, 2 or 3 R^e, C_{3-6}cycloalkyl substituted with 1, 2 or 3 R^e, or C_{3-6}heteroalicyclyl substituted with 1, 2 or 3 R^e;

R^d is independently for each occurrence H, C_{1-6}alkyl, C_{1-6}alkyl substituted with 1, 2 or 3 R^e, C_{3-6}cycloalkyl, C_{3-6}cycloalkyl optionally substituted with 1, 2 or 3 R^e, or two R^d groups together with the nitrogen bound thereto form a C_{3-6}heteroalicyclyl moiety optionally substituted with C_{1-6}alkyl, such as morpholinyl, piperidinyl, N-methylpiperidinyl or pyrrolidinyl;

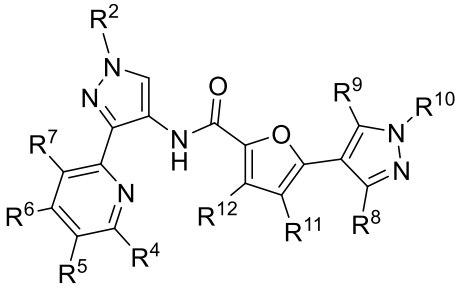
R^e is independently for each occurrence halogen, C_{1-6}alkyl, C_{3-6}cycloalkyl, C_{3-6}heteroalicyclyl, C_{1-6}alkyl-OH, $-OR^a$, $-OC(O)R^a$ or -O-aralkyl;

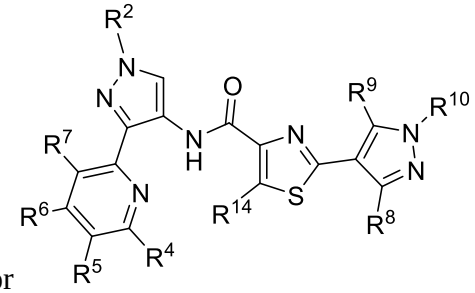
R^f is independently for each occurrence $-OR^a$, $-O^-M^+$ or $-O^-[M^{2+}]_{0.5}$;

each M^+ independently is an alkali metal ion or an ammonium ion; and

M^{2+} is an alkaline metal earth ion.

6. The compound of claim 2, wherein the compound has a formula



, or


;

R^8 and R^9 are each independently H, aliphatic, heteroaliphatic, aryl, heterocyclyl, sulfonyl, nitro, halogen, haloalkyl, carboxyl ester, cyano or amino;

R^{10} is H, aliphatic, alkoxy, heteroaliphatic, carboxyl ester, araliphatic, NO_2, CN, OH, haloalkyl, acyl, alkyl phosphate or alkylphosphonate; and

R^{11}, R^{12}, and R^{14} are each independently H or aliphatic.

7. The compound of claim 2, wherein the compound is a salt.

8. The compound of claim 2, wherein the compound is selected from

I-1: N-(1-(2-hydroxy-2-methylpropyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-methyl-1H-pyrazol-4-yl)furan-2-carboxamide 2,2,2-trifluoroacetate;

I-2: N-(1-(2-hydroxy-2-methylpropyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-3: N-(1-(2-hydroxy-2-methylpropyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-4: *tert*-butyl 4-(5-((1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazole-1-carboxylate;

I-5: N-(1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-6: N-(1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-methyl-1H-pyrazol-4-yl)furan-2-carboxamide formic acid;

I-9: N-(1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-10: di-*tert*-butyl ((4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl) phosphate;

I-11: *tert*-butyl ((4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl) hydrogen phosphate;

I-12: (4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl dihydrogen phosphate;

I-13: N-(1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-(trifluoromethyl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-14: sodium (4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl phosphate;

I-16: N-(1-(2-(2-methoxyethoxy)ethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-17: N-(1-(2-(2-methoxyethoxy)ethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide hydrochloride salt;

I-18: N-(1-(2-(2-methoxyethoxy)ethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-19: 1-(isobutyryloxy)ethyl 4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazole-1-carboxylate;

I-20: *tert*-butyl (S)-(1-(4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)-3-methyl-1-oxobutan-2-yl)carbamate;

I-21: 1-methylcyclopropyl 4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazole-1-carboxylate;

I-22: 1-((4-methoxybenzyl)oxy)-2-methylpropan-2-yl 4-(5-((1-(2-methoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazole-1-carboxylate;

I-23: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1-(tetrahydro-2H-pyran-4-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-24: 5-(5-nitro-1H-pyrrol-3-yl)-N-(1-(propoxymethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-25: N-(1-(oxetan-3-yl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-26: 5-(1-methyl-1H-pyrazol-4-yl)-N-(1-(oxetan-3-yl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-27: N-(1-((1,3-trans)-3-ethoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-28: N-(1-((1,3-cis)-3-ethoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-29: N-(1-((1,3-cis)-3-ethoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-30: 5-(3-methyl-1H-pyrazol-4-yl)-N-(1-(oxetan-3-yl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-31: N-(1-((1,3-cis)-3-ethoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-32: N-(1-((1,3-cis)-3-hydroxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-33: N-(1-((1s,3s)-3-(dimethylamino)cyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-34: N-(1-((1s,3s)-3-(dimethylamino)cyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-35: (4-(5-((1-((1,3-cis)-3-ethoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl phosphate bis-sodium salt;

I-36: (4-(5-((1-((1s,3s)-3-ethoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl dihydrogen phosphate;

I-37: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-38: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-39: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-ethyl-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-40: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-ethyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-41: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-(trifluoromethyl)-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-42: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-(trifluoromethyl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-43: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-isopentyl-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-44: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-isopentyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-45: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-methyl-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-46: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-47: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-48: 5-(1-((3-methyloxetan-3-yl)methyl)-1H-pyrazol-4-yl)-N-(1-((3-methyloxetan-3-yl)methyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-49: 5-(1-((3-methyloxetan-3-yl)methyl)-1H-pyrazol-4-yl)-N-(1-((3-methyloxetan-3-yl)methyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-52: 5-(1-(2-(2-methoxyethoxy)ethyl)-1H-pyrazol-4-yl)-N-(1-(2-(2-methoxyethoxy)ethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-53: 5-(1-(2-(2-methoxyethoxy)ethyl)-1H-pyrazol-4-yl)-N-(1-(2-(2-methoxyethoxy)ethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-54: (4-(5-((1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl dihydrogen phosphate;

I-55: sodium (4-(5-((1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl)methyl phosphate;

I-56: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-methyl-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-57: N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(3-methyl-1H-pyrazol-4-yl)furan-2-carboxamide;

I-58: 5-(3,5-dimethyl-1H-pyrazol-4-yl)-N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-59: 5-(3,5-dimethyl-1H-pyrazol-4-yl)-N-(1-(2-ethoxyethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-67: N-{1-Methyl-3-(pyridine-2-yl)-1*H*-pyrazol-4-yl}-5-(1*H*-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-68: 5-(1-Methyl-1*H*-pyrazol-4-yl)-N-{1-methyl-3-(pyridine-2-yl)-1*H*-pyrazol-4-yl}furan-2-carboxamide;

I-69: 5-(1-Methyl-1*H*-pyrazol-4-yl)-N-{1-methyl-3-(pyridine-2-yl)-1*H*-pyrazol-4-yl}furan-2-carboxamide, formate salt;

I-70: *tert*-Butyl-3-[4-{5-(1H-pyrazole-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]azetidine-1-carboxylate, formate salt;

I-71: N-{1-(3-Methoxycyclobutyl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt, Cis isomer;

I-72: N-{1-(3-Methoxycyclobutyl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide, Cis isomer;

I-73: N-{1-(3-Benzyloxy)cyclobutyl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide, Trans isomer;

I-74: *tert*-Butyl-3-[4-{5-(1H-pyrazole-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]azetidine-1-carboxylate;

I-75: N-(1-((1s,3s)-3-methoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-76: N-(1-((1s,3s)-3-methoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-77: N-{1-Methyl-3-(pyridine-2-yl)-1*H*-pyrazol-4-yl}-5-(1*H*-pyrazol-4-yl)furan-2-carboxamide, free base;

I-78: N-{1-(Azetidin-3-yl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide, TFA salt;

I-79: N-{1-(Azetidin-3-yl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-80: Di-*tert*-butyl-[[4-{4-(5-((1-methyl-3-(pyridine-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl)-1H-pyrazol-1-yl}methyl] phosphate;

I-81: [4-{5-((1-Methyl-3-(pyridine-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2yl}-1H-pyrazol-1-yl]methyl dihydrogen phosphate;

I-82: Sodium [4-{5-((1-Methyl-3-(pyridine-2-yl)-1H-pyrazol-4-yl)carbamoyl)furan-2-yl}-1H-pyrazol-1-yl]methyl phosphate;

I-83: N-{1-(1-Acetylazetidin-3-yl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide, free base;

I-84: 3-[4-{5-(1H-Pyrazol-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]-N-(*tert*-butyl)azetidine-1-carboxamide, free base;

I-85: 3-[4-{5-(1H-Pyrazol-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]-N-isopropylazetidine-1-carboxamide, free base;

I-86: 3-[4-{5-(1H-Pyrazol-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]-N-propylazetidine-1-carboxamide, free base.

I-87: 3-[4-{5-(1H-Pyrazol-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]-N-cyclopropylazetidine-1-carboxamide, formate salt;

I-88: 3-[4-{5-(1H-Pyrazol-4-yl)furan-2-carboxamido}-3-(pyridine-2-yl)-1H-pyrazol-1-yl]-N-cyclopropylazetidine-1-carboxamide;

I-89: N-[1-{1-(Cyclopropanecarbonyl)azetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-90: N-[1-{1-(Cyclopropanecarbonyl)azetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-91: N-[1-{1-Pivaloylazetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-92: N-[1-{1-Pivaloylazetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-93: 5-(1H-Pyrazol-4-yl)-N-{3-(pyridine-2-yl)-1-(pyrrolidine-1-carbonyl)azetidin-3-yl}-1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-94: 5-(1H-Pyrazol-4-yl)-N-{3-(pyridine-2-yl)-1-(pyrrolidine-1-carbonyl)azetidin-3-yl}-1H-pyrazol-4-yl)furan-2-carboxamide;

I-95: N-[1-{1-Isobutyrylazetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-96: N-[1-{1-Isobutyrylazetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-97: N-(1H-Pyrazol-4-yl)-N-{3-(pyridine-2-yl)-1-{1-(2,2,2-trifluoroethyl)azetidin-3-yl}-1H-pyrazol-4-yl}furan-2-carboxamide, TFA salt;

I-98: N-(1H-Pyrazol-4-yl)-N-{3-(pyridine-2-yl)-1-{1-(2,2,2-trifluoroethyl)azetidin-3-yl}-1H-pyrazol-4-yl}furan-2-carboxamide;

I-99: N-[1-{1-Butyrylazetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-100: N-[1-{1-Butyrylazetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-101: N-{1-(1-Methylazetidin-3-yl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-102: N-{1-(1-Methylazetidin-3-yl)-3-(pyridine-2-yl)-1H-pyrazol-4-yl}-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-103: N-[1-{1-(2,2-difluorocyclopropane-1-carbonyl)azetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide, formate salt;

I-104: N-[1-{1-(2,2-difluorocyclopropane-1-carbonyl)azetidin-3-yl}-3-(pyridine-2-yl)-1H-pyrazol-4-yl]-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-105: N-(1-methyl-3-(5-morpholinopyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-106: N-(1-methyl-3-(5-(4-methylpiperazin-1-yl)pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-107: N-(3-(5-(2-hydroxy-2-methylpropoxy)pyridin-2-yl)-1-methyl-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-108: N-(1-methyl-3-(5-(oxetan-3-yloxy)pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-109: N-(3-(5-methoxypyridin-2-yl)-1-methyl-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-110: N-(1-isopropyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-111: N-(1-(2-morpholinoethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-112: N-(1-(2-(4-methylpiperazin-1-yl)ethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-113: 5-(1H-pyrazol-3-yl)-N-(3-(pyridin-2-yl)-1-(2-(2,2,2-trifluoroethoxy)ethyl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-114: N-(1-((1s,3s)-3-isopropoxycyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-115: N-(1-(difluoromethyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-116: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(6-(trifluoromethyl)pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-117: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1-(2,2,2-trifluoroethyl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-122: 5-(1-cyclobutyl-1H-pyrazol-4-yl)-N-(1-cyclobutyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide 2,2,2-trifluoroacetate;

I-123: 5-(1-cyclobutyl-1H-pyrazol-4-yl)-N-(1-cyclobutyl-3-(pyridin-2-yl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-124: N-(1-((1s,4s)-4-hydroxycyclohexyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-125: N-(1-((1s,4s)-4-hydroxycyclohexyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-126: N-(1-((1r,4r)-4-hydroxycyclohexyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-127: N-(1-((1r,4r)-4-hydroxycyclohexyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-128: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1-(3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-129: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1-(3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-130: N-(1-((1r,4r)-4-ethoxycyclohexyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-131: N-(1-((1r,4r)-4-ethoxycyclohexyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-132: N-(1-((1S,3R)-3-ethoxycyclopentyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-133: N-(1-((1S,3R)-3-ethoxycyclopentyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-134: N-(1-((1S,3R)-3-hydroxycyclopentyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-135: N-(1-((1S,3R)-3-hydroxycyclopentyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-136: N-(1-((1S,3S)-3-hydroxycyclopentyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-137: N-(1-((1S,3S)-3-hydroxycyclopentyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-138: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(5-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-139: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(5-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-140: N-(1-((1S,3R)-3-ethoxy-2-fluorocyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-141: N-(1-((1S,3R)-3-ethoxy-2-fluorocyclobutyl)-3-(pyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-142: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(3-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-143: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(3-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-144: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(6-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-145: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(6-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-146: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1-((1s,3s)-3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-147: 5-(1H-pyrazol-4-yl)-N-(3-(pyridin-2-yl)-1-((1s,3s)-3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)furan-2-carboxamide;

I-148: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(4-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-149: N-(1-((1s,3s)-3-ethoxycyclobutyl)-3-(4-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-150: N-(3-(6-fluoropyridin-2-yl)-1-((1s,3s)-3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-151: N-(3-(6-fluoropyridin-2-yl)-1-((1s,3s)-3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-152: N-(3-(3-fluoropyridin-2-yl)-1-((1s,3s)-3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-153: N-(3-(3-fluoropyridin-2-yl)-1-((1s,3s)-3-(2,2,2-trifluoroethoxy)cyclobutyl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide;

I-154: N-(1-((1r,4r)-4-ethoxycyclohexyl)-3-(3-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide formate;

I-155: N-(1-((1r,4r)-4-ethoxycyclohexyl)-3-(3-fluoropyridin-2-yl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide; or

I-156: N-(3-(3,6-difluoropyridin-2-yl)-1-((1s,3s)-3-ethoxycyclobutyl)-1H-pyrazol-4-yl)-5-(1H-pyrazol-4-yl)furan-2-carboxamide.

9. A composition, comprising a compound of claim 2, and a pharmaceutically acceptable excipient.

10. The compound of claim 2, wherein R^{10} is $CH_2OP(O)(OH)_2$, or a salt thereof.

11. The compound of claim 6, wherein:

R^2 is H, alkyl, cycloaliphatic, heteroaliphatic, or heterocycloaliphatic;

each of R^4, R^6, and R^7 independently is H, F or CF_3;

R^5 is H, F, CF_3, methoxy, morpholin-4-yl, 1-methylpiperidin-4-yl, -O-$CH_2C(CH_3)_2OH$, or –O-(oxetan-3-yl);

R^8 and R^9 are each independently H, haloalkyl, or alkyl;

R^{10} is H, alkyl, carboxyl ester, acyl, alkyl phosphate, alkyl phosphonate or aralkyl; and

R^{11}, R^{12}, and R^{14} are H.

12. The compound of claim 2, wherein Het-1 is thiazolyl.

13. The compound of claim 2, wherein Het-1 is furanyl.

14. The compound of claim 13, wherein:

R^2 is H, alkyl, cycloaliphatic, heteroaliphatic, or heterocycloaliphatic;

y is 2;

each R^3 is H;

each of R^4, R^6, and R^7 independently is H, F or CF_3;

R^5 is H, F, CF_3, methoxy, morpholin-4-yl, 1-methylpiperidin-4-yl, -O-$CH_2C(CH_3)_2OH$, or –O-(oxetan-3-yl);

R^8 and R^9 are each independently H, haloalkyl, or alkyl; and

R^{10} is H, alkyl, carboxyl ester, acyl, alkyl phosphate, alkyl phosphonate or aralkyl.