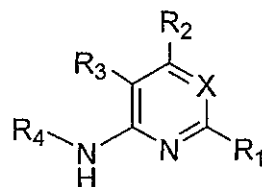


What is claimed is:

1. A compound of Formula (I):



(I)

- 5 or a form thereof, wherein

R₁ is heteroaryl or heterocyclyl optionally substituted on a carbon atom ring member with one, two, three or four R₅ substituents, or on a nitrogen atom ring member with an oxygen atom substituent to form an N-oxide;

X is N or N substituted with an oxygen atom substituent to form an N-oxide;

- 10 R₂ is hydrogen, cyano, halo, hydroxyl, nitro, C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, amino, C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino, hydroxyl-amino, hydroxyl-C₁₋₈alkyl-amino, C₁₋₈alkoxy-C₁₋₈alkyl-amino, C₁₋₈alkyl-thio, C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-carbonyl-amino, amino-carbonyl, C₁₋₈alkyl-amino-carbonyl, (C₁₋₈alkyl)₂-amino-carbonyl, amino-carbonyl-amino, 15 C₁₋₈alkyl-amino-carbonyl-amino, (C₁₋₈alkyl)₂-amino-carbonyl-amino, C₁₋₈alkoxy-carbonyl, C₁₋₈alkoxy-carbonyl-amino, amino-sulfonyl, C₁₋₈alkyl-amino-sulfonyl, (C₁₋₈alkyl)₂-amino-sulfonyl, amino-sulfonyl-amino, C₁₋₈alkyl-amino-sulfonyl-amino, (C₁₋₈alkyl)₂-amino-sulfonyl-amino, P(O)(R₇)₂-amino or heteroaryl, wherein heteroaryl is optionally substituted with one, two, three or four 20 C₁₋₈alkyl substituents;

R₃ is hydrogen, cyano, halo, C₁₋₈alkyl, amino, C₁₋₈alkyl-amino or (C₁₋₈alkyl)₂-amino;

R₄ is C₃₋₁₄cycloalkyl, aryl, heteroaryl or heterocyclyl, each optionally substituted with one, two, three or four R₆ substituents;

- 25 R₅ is independently selected from cyano, halo, hydroxyl, nitro, oxo, C₁₋₈alkyl, cyano-C₁₋₈alkyl, halo-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, C₁₋₈alkoxy-C₁₋₈alkyl, halo-C₁₋₈alkoxy, C₂₋₈alkenyl, C₁₋₈alkoxy-C₂₋₈alkenyl, C₂₋₈alkynyl, C₁₋₈alkoxy-C₂₋₈alkynyl, carboxyl, amino, C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino, amino-C₁₋₈alkyl, C₁₋₈alkyl-amino-C₁₋₈alkyl, (C₁₋₈alkyl)₂-amino-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl-amino, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl,

hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl-amino, C₁₋₈alkyl-thio, C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-carbonyl-amino, C₁₋₈alkyl-carbonyl-oxy, C₁₋₈alkyl-carbonyl-oxy-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl, C₁₋₈alkoxy-carbonyl-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl-amino, C₁₋₈alkyl-sulfonyl, C₃₋₁₄cycloalkyl, aryl, aryl-C₁₋₈alkyl, aryl-amino, aryl-C₁₋₈alkyl-amino, heteroaryl, heteroaryl-C₁₋₈alkyl or heterocyclyl, wherein C₃₋₁₄cycloalkyl, aryl, heteroaryl or heterocyclyl and the aryl and heteroaryl portions of aryl-C₁₋₈alkyl, aryl-amino, aryl-C₁₋₈alkyl-amino and heteroaryl-C₁₋₈alkyl are each optionally substituted with one, two, three or four halo, C₁₋₈alkyl, halo-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, halo-C₁₋₈alkoxy, hydroxyl-C₁₋₈alkoxy or carboxyl substituents;

R₆ is independently selected from cyano, halo, hydroxyl, nitro, C₁₋₈alkyl, halo-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, halo-C₁₋₈alkoxy, C₂₋₈alkenyl, C₁₋₈alkoxy-C₂₋₈alkenyl, C₂₋₈alkynyl, C₁₋₈alkoxy-C₂₋₈alkynyl, carboxyl, formyl, formyl-oxy, C₁₋₈alkyl-carbonyl, halo-C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-thio, halo-C₁₋₈alkyl-thio, amino, C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino, C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-carbonyl-oxy, C₁₋₈alkyl-carbonyl-oxy-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl, halo-C₁₋₈alkoxy-carbonyl, C₁₋₈alkoxy-carbonyl-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl-amino, C₁₋₈alkoxy-carbonyl-amino-C₁₋₈alkyl, amino-carbonyl, C₁₋₈alkyl-amino-carbonyl, (C₁₋₈alkyl)₂-amino-carbonyl, C₁₋₈alkyl-carbonyl-amino, C₁₋₈alkyl-carbonyl-amino-C₁₋₈alkyl, amino-C₁₋₈alkyl, C₁₋₈alkyl-amino-C₁₋₈alkyl, (C₁₋₈alkyl)₂-amino-C₁₋₈alkyl, amino-C₁₋₈alkyl-amino, C₁₋₈alkyl-amino-C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino-C₁₋₈alkyl-amino, hydroxyl-C₁₋₈alkyl-amino, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl-amino, imino-C₁₋₈alkyl, hydroxyl-imino-C₁₋₈alkyl, C₁₋₈alkoxy-imino-C₁₋₈alkyl, C₁₋₈alkyl-sulfonyl, halo-C₁₋₈alkyl-sulfonyl, amino-sulfonyl, C₁₋₈alkyl-amino-sulfonyl, (C₁₋₈alkyl)₂-amino-sulfonyl, B(OR₈)₂, C₃₋₁₄cycloalkyl, heterocyclyl aryl or heteroaryl, wherein C₃₋₁₄cycloalkyl, heterocyclyl, aryl, and heteroaryl are each optionally substituted with one, two, three or four halo or C₁₋₈alkyl substituents;

R₇ is independently hydroxyl or (C₁₋₈alkoxy)_n, wherein n represents an integer from 1 to 5, and,

R₈ is independently hydrogen or C₁₋₈alkyl;

wherein the form of the compound is selected from a free acid, free base, salt, ester, hydrate, solvate, chelate, clathrate, polymorph, isotopologue, stereoisomer, racemate, enantiomer, diastereomer or tautomer thereof.

- 5 2. The compound of claim 1, wherein R₁ is optionally substituted heteroaryl or heterocyclyl selected from 1H-pyrazolyl, 1H-imidazolyl, 1,2-oxazolyl, pyridinyl, 1H-indolyl, 2H-indazolyl, 4,5,6,7-tetrahydro-2H-indazolyl, 1H-benzimidazolyl, imidazo[2,1-b][1,3]thiazolyl, pyrazolo[1,5-a]pyridinyl, pyrazolo[1,5-c]pyrimidinyl, imidazo[1,2-a]pyridinyl, 5,6,7,8-tetrahydroimidazo[1,2-a]pyridinyl, 1H-imidazo[4,5-
10 b]pyridinyl, 1H-imidazo[4,5-c]pyridinyl, 4,5,6,7-tetrahydro-3H-imidazo[4,5-c]pyridinyl, imidazo[1,2-a]pyrazinyl, imidazo[1,2-a]pyrimidinyl, 7H-purinyl or quinolinyl.
3. The compound of claim 2, wherein R₁ is optionally substituted heteroaryl selected from 1H-pyrazolyl, 1H-indolyl, 1H-benzimidazolyl, pyrazolo[1,5-a]pyridinyl, imidazo[1,2-a]pyridinyl, 1H-imidazo[4,5-b]pyridinyl, imidazo[1,2-a]pyrazinyl or
15 imidazo[1,2-a]pyrimidinyl.
4. A compound or a form thereof selected from the group consisting of:
 - N-(4-methoxyphenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-amine
 - N-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-(2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidin-4-amine
 - 2-(2-methylimidazo[1,2-a]pyridin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
 - N-(4-methoxyphenyl)-2-(2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidin-4-amine
 - N-(4-chlorophenyl)-2-(2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidin-4-amine
 - 2-(2-methylimidazo[1,2-a]pyridin-3-yl)-N-phenylpyrimidin-4-amine
 - 2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
 - N-(4-chlorophenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
 - N-(4-methylphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
 - N-(4-bromophenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
 - N-[4-(difluoromethoxy)phenyl]-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
 - N-(4-methoxyphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
 - 2-[6-chloro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
 - 2-[6-chloro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethoxy)phenyl]pyrimidin-4-amine

N-(4-bromophenyl)-2-[6-chloro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
2-[6-chloro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(difluoromethoxy)phenyl]pyrimidin-4-amine
N-(4-chlorophenyl)-2-[6-chloro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
2-[2-methyl-6-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
N-(4-bromophenyl)-2-[2-methyl-6-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(4-methylphenyl)-2-[2-methyl-6-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
2-[6-fluoro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-(4-methylphenyl)pyrimidin-4-amine
2-[6-fluoro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-(4-methoxyphenyl)pyrimidin-4-amine
2-[5-chloro-1-methyl-2-(trifluoromethyl)-1H-indol-3-yl]-N-(4-methoxyphenyl)pyrimidin-4-amine
2-[5-chloro-1-methyl-2-(trifluoromethyl)-1H-indol-3-yl]-N-[4-(difluoromethoxy)phenyl]pyrimidin-4-amine
N-(4-bromophenyl)-2-[5-chloro-1-methyl-2-(trifluoromethyl)-1H-indol-3-yl]pyrimidin-4-amine
N-(4-bromophenyl)-2-(6-fluoro-2-phenylimidazo[1,2-a]pyridin-3-yl)pyrimidin-4-amine
2-(6-fluoro-2-phenylimidazo[1,2-a]pyridin-3-yl)-N-(4-methylphenyl)pyrimidin-4-amine
N-(1,3-benzodioxol-5-yl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(6-methoxypyridin-3-yl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N²,N²-dimethyl-N⁵-{2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-yl}pyridine-2,5-diamine
2-[6-bromo-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
2-[6-bromo-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-(4-methoxyphenyl)pyrimidin-4-amine
N-(3-fluoro-4-methoxyphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(3-chloro-4-methoxyphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(3-chloro-4-methylphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(4-ethoxyphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-[4-(propan-2-yl)phenyl]-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-[4-(1H-pyrazol-1-yl)phenyl]-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(3-chloro-4-methoxyphenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-amine
2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
N-(3-chloro-4-methoxyphenyl)-2-[2-(trifluoromethyl)-1H-benzimidazol-1-yl]pyrimidin-4-amine
5-fluoro-N-(4-methylphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
5-chloro-N-(4-methylphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-(4-methoxyphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyrazin-3-yl]pyrimidin-4-amine

2-[2-(trifluoromethyl)imidazo[1,2-a]pyrazin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
N-(4-chlorophenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyrazin-3-yl]pyrimidin-4-amine
2-[6-methoxy-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
2-[6-methoxy-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethoxy)phenyl]pyrimidin-4-amine
N-(4-methoxyphenyl)-2-[6-methoxy-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-[4-(difluoromethoxy)phenyl]-2-[6-methoxy-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
2-[[6-[[4-(difluoromethoxy)phenyl]amino]-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-yl]amino]ethanol
N-[4-(difluoromethoxy)phenyl]-2-[2-(trifluoromethyl)imidazo[1,2-a]pyrazin-3-yl]pyrimidin-4-amine
2-[6-fluoro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine
N-[4-(difluoromethoxy)phenyl]-2-[6-fluoro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidin-4-amine
N-[4-(trifluoromethyl)phenyl]-2-[2-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3-yl]pyrimidin-4-amine
2-[[2-(2-methyl-1H-benzimidazol-1-yl)-6-[[4-(trifluoromethyl)phenyl]amino]pyrimidin-4-yl]amino]ethanol
N⁴-(2-methoxyethyl)-2-(2-methyl-1H-benzimidazol-1-yl)-N⁶-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N⁴-[4-(difluoromethoxy)phenyl]-N⁶-(2-methoxyethyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(4-methoxyphenyl)-2-[2-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3-yl]pyrimidin-4-amine
N-[4-(difluoromethoxy)phenyl]-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-amine
N-(4-methylphenyl)-2-[2-(trifluoromethyl)imidazo[1,2-a]pyrazin-3-yl]pyrimidin-4-amine
2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidine-4,6-diamine
2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(trifluoromethoxy)phenyl]-2-[2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]pyrimidine-4,6-diamine
2-(6-fluoro-2-methylimidazo[1,2-a]pyridin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(6-fluoro-2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidine-4,6-diamine

N-[4-(trifluoromethyl)phenyl]-2-(1,3,5-trimethyl-1H-pyrazol-4-yl)pyrimidine-4,6-diamine
2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-N-[3-fluoro-4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoroimidazo[1,2-a]pyridin-3-yl)-N-[4-(difluoromethoxy)-3-fluorophenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(2-ethyl-6-fluoro-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoro-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)-3-fluorophenyl]pyrimidine-4,6-diamine
N-[4-(trifluoromethyl)phenyl]-2-(2,5,6-trimethyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[3-fluoro-4-(trifluoromethyl)phenyl]-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(2-ethyl-6-fluoro-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoro-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-5-fluoro-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
[3-(4-amino-6-{[4-(trifluoromethyl)phenyl]amino}pyrimidin-2-yl)-6-fluoroimidazo[1,2-a]pyridin-2-yl]methanol
2-(6-bromo-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2,6-dimethyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-ethyl-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-N-[3-fluoro-4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-{[2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-6-{[4-(trifluoromethyl)phenyl]amino}pyrimidin-4-yl]amino}ethanol
2-(6-ethenyl-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoro-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-fluoro-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[3-fluoro-4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]pyrimidine-4,6-diamine
2-(5-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[3-fluoro-4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(5-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]pyrimidine-4,6-diamine
2-(6-fluoro-2-methylimidazo[1,2-a]pyrimidin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoro-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(difluoromethoxy)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-ethyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine

2-(6-chloro-2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoropyrimidine-4,6-diamine

2-(2-cyclopropyl-6-fluoro-1H-imidazo[4,5-b]pyridin-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

2-(imidazo[1,2-a]pyridin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidin-4-amine

N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

2-(2-cyclopropyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

2-(2-cyclopropyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine

2-(2-cyclopropyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoropyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

2-(2-ethyl-4,6-difluoro-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(2-ethyl-4,6-difluoro-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-4,6-difluoro-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

5-fluoro-2-(4-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(4-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(4-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

5-fluoro-2-(2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(2-methyl-1H-imidazo[4,5-b]pyridin-1-yl)pyrimidine-4,6-diamine
2-(2-cyclopropyl-4-fluoro-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-4-fluoro-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine
2-(2-cyclopropyl-4-fluoro-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoropyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoro-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-6-fluoro-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-[2-(difluoromethyl)-6-fluoro-1H-benzimidazol-1-yl]pyrimidine-4,6-diamine
2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(methylsulfonyl)phenyl]pyrimidine-4,6-diamine
2-[2-(1-methylcyclopropyl)-1H-benzimidazol-1-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-[2-(1-methylcyclopropyl)-1H-benzimidazol-1-yl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-[2-(methoxymethyl)-1H-benzimidazol-1-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-[2-(propan-2-yl)-1H-benzimidazol-1-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-[2-(difluoromethyl)-1H-benzimidazol-1-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-ethyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-methylpyrazolo[1,5-a]pyridin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(2-cyclopropyl-6-fluoro-1H-imidazo[4,5-b]pyridin-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(2-ethyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(5-chloro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(5-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
2-(6-chloro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine

2-(2-ethyl-5-fluoro-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-5-fluoro-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
2-(2-ethyl-6-fluoro-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-6-fluoro-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
5-chloro-2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-chloro-2-(2-ethyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-chloro-N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
5-fluoro-2-(2-methylimidazo[1,2-a]pyridin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidine-4,6-diamine
5-methyl-2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(2-methylpyrazolo[1,5-a]pyridin-3-yl)pyrimidine-4,6-diamine
5-fluoro-N-[4-(trifluoromethyl)phenyl]-2-(2,6,8-trimethylimidazo[1,2-a]pyrazin-3-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(2,6,8-trimethylimidazo[1,2-a]pyrazin-3-yl)pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-5-fluoro-2-(2,6,8-trimethylimidazo[1,2-a]pyrazin-3-yl)pyrimidine-4,6-diamine
5-fluoro-2-(2-methylpyrazolo[1,5-a]pyridin-3-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-fluoro-2-[6-fluoro-2-(trifluoromethyl)imidazo[1,2-a]pyridin-3-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
2-(2-cyclopropylpyrazolo[1,5-a]pyridin-3-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine
[3-(4-amino-6-{[4-(difluoromethoxy)phenyl]amino}-5-fluoropyrimidin-2-yl)-5-fluoropyrazolo[1,5-a]pyridin-2-yl]methanol
2-[2-(methylsulfanyl)-1H-benzimidazol-1-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[6-(trifluoromethyl)pyridin-3-yl]pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
N-(4-chlorophenyl)-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-2-(2-ethyl-5-fluoropyrazolo[1,5-a]pyridin-3-yl)-5-fluoropyrimidine-4,6-diamine
2-(2-ethyl-5-fluoropyrazolo[1,5-a]pyridin-3-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(2-ethyl-5-fluoropyrazolo[1,5-a]pyridin-3-yl)-5-fluoropyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(3-methoxyphenyl)pyrimidine-4,6-diamine
N-(3-chlorophenyl)-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine
4-{{6-amino-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-yl}amino}benzonitrile
methyl 4-{{6-amino-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-yl}amino}benzoate
5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)-N-(3-methylphenyl)pyrimidine-4,6-diamine
5-fluoro-N-(3-methoxyphenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(2-methyl-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
N-(4-methoxyphenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-[4-(dimethylamino)phenyl]-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
5-fluoro-N-(4-methoxyphenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(4-chlorophenyl)-5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
4-{{6-amino-5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-yl}amino}benzonitrile
N-(1,3-benzodioxol-5-yl)-5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine
N-(1,3-benzodioxol-5-yl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(2,2-difluoro-1,3-benzodioxol-5-yl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(3-fluoro-4-methoxyphenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(6-methoxypyridin-3-yl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(4-chlorophenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
4-{{6-amino-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidin-4-yl}amino}benzonitrile
2-(2-methyl-1H-benzimidazol-1-yl)-N-(4-nitrophenyl)pyrimidine-4,6-diamine
N-(4-bromophenyl)-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methylphenyl)pyrimidine-4,6-diamine
2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methoxyphenyl)pyrimidine-4,6-diamine

N-(4-chlorophenyl)-2-(5,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-[2-(methoxymethyl)-1H-benzimidazol-1-yl]pyrimidine-4,6-diamine

5-fluoro-2-[2-(methoxymethyl)-1H-benzimidazol-1-yl]-N-(4-methylphenyl)pyrimidine-4,6-diamine

5-fluoro-2-[2-(methoxymethyl)-1H-benzimidazol-1-yl]-N-(4-methoxyphenyl)pyrimidine-4,6-diamine

N-(4-chlorophenyl)-5-fluoro-2-[2-(methoxymethyl)-1H-benzimidazol-1-yl]pyrimidine-4,6-diamine

5-fluoro-2-[2-(methoxymethyl)-1H-benzimidazol-1-yl]-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

2-(2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine

1-(4-amino-5-fluoro-6-{[4-(trifluoromethyl)phenyl]amino}pyrimidin-2-yl)-2-methyl-1H-benzimidazole-6-carbonitrile

1-(4-amino-6-{[4-(difluoromethoxy)phenyl]amino}-5-fluoropyrimidin-2-yl)-2-methyl-1H-benzimidazole-6-carbonitrile

1-{4-amino-5-fluoro-6-[(4-methylphenyl)amino]pyrimidin-2-yl}-2-methyl-1H-benzimidazole-6-carbonitrile

1-{4-amino-5-fluoro-6-[(4-methoxyphenyl)amino]pyrimidin-2-yl}-2-methyl-1H-benzimidazole-6-carbonitrile

1-(4-amino-6-{[4-(difluoromethoxy)phenyl]amino}-5-fluoropyrimidin-2-yl)-2-methyl-1H-benzimidazole-5-carbonitrile

1-{4-amino-5-fluoro-6-[(4-methylphenyl)amino]pyrimidin-2-yl}-2-methyl-1H-benzimidazole-5-carbonitrile

1-{4-amino-5-fluoro-6-[(4-methoxyphenyl)amino]pyrimidin-2-yl}-2-methyl-1H-benzimidazole-5-carbonitrile

1-(4-amino-6-{[4-(trifluoromethyl)phenyl]amino}pyrimidin-2-yl)-2-methyl-1H-benzimidazole-5-carbonitrile

1-{4-amino-6-[(4-chlorophenyl)amino]-5-fluoropyrimidin-2-yl}-2-methyl-1H-benzimidazole-5-carbonitrile

N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(2-methyl-6-nitro-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

5-fluoro-2-(2-methyl-6-nitro-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine

5-fluoro-N-(4-methoxyphenyl)-2-(2-methyl-6-nitro-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)phenyl]-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

N-[4-(difluoromethoxy)-3-fluorophenyl]-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

5-fluoro-2-(2-methyl-6-nitro-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine

N-(4-chlorophenyl)-2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine

2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine
5-fluoro-N-(4-methoxyphenyl)-2-(2-methylpyrazolo[1,5-a]pyridin-3-yl)pyrimidine-4,6-diamine
N-(1,3-benzodioxol-5-yl)-2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methylphenyl)pyrimidine-4,6-diamine
2-(4,6-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
2-(5,7-difluoro-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
N-(4-chlorophenyl)-5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine
N-[4-(difluoromethoxy)phenyl]-5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
N-(1,3-benzodioxol-5-yl)-5-fluoro-2-(6-methoxy-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(4-chlorophenyl)-5-fluoro-2-(6-fluoro-2-methylimidazo[1,2-a]pyridin-3-yl)pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methylimidazo[1,2-a]pyridin-3-yl)-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
5-fluoro-2-(6-fluoro-2-methylimidazo[1,2-a]pyridin-3-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
5-fluoro-2-(2-methyl-5-nitro-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
5-fluoro-N-(4-methoxyphenyl)-2-(2-methyl-5-nitro-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
2-(6-amino-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
2-(6-amino-2-methyl-1H-benzimidazol-1-yl)-N-[4-(difluoromethoxy)phenyl]-5-fluoropyrimidine-4,6-diamine
2-(6-amino-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methylphenyl)pyrimidine-4,6-diamine
N-(4-chlorophenyl)-5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
N-(4-chloro-3-fluorophenyl)-5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine

N-(4-chloro-3-fluorophenyl)-5-fluoro-2-(2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
 N-(4-chloro-3-fluorophenyl)-5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
 N-(4-chlorophenyl)-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
 2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
 2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
 N-[4-(dimethylamino)phenyl]-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
 N-(4-chloro-3-fluorophenyl)-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
 2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(3-methylphenyl)pyrimidine-4,6-diamine
 N-(2,2-difluoro-1,3-benzodioxol-5-yl)-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)pyrimidine-4,6-diamine
 2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methylphenyl)pyrimidine-4,6-diamine
 2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
 2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine
 N-(1,3-benzodioxol-5-yl)-2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
 N-(4-chlorophenyl)-2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
 N-(4-chloro-3-fluorophenyl)-2-(2-ethyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
 2-(2-cyclopropyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methylphenyl)pyrimidine-4,6-diamine
 2-(2-cyclopropyl-1H-benzimidazol-1-yl)-5-fluoro-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
 2-(2-cyclopropyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine
 N-(4-chlorophenyl)-2-(2-cyclopropyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
 N-(4-chloro-3-fluorophenyl)-2-(2-cyclopropyl-1H-benzimidazol-1-yl)-5-fluoropyrimidine-4,6-diamine
 5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(4-methylphenyl)pyrimidine-4,6-diamine
 5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-(4-methoxyphenyl)pyrimidine-4,6-diamine
 5-fluoro-2-(5-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethoxy)phenyl]pyrimidine-4,6-diamine, and
 2-(6-amino-2-methyl-1H-benzimidazol-1-yl)-5-fluoro-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine;

wherein the form of the compound is selected from a salt, ester, hydrate, solvate, chelate, clathrate, polymorph, isotopologue, stereoisomer, racemate, enantiomer, diastereomer or tautomer thereof.

5. A method of inhibiting Bmi-1 function and reducing the level of Bmi-1 to treat a cancer mediated by Bmi-1 in a subject in need thereof comprising administering to the subject an effective amount of the compound of claim 1.

6. The method of claim 5, further comprising contacting a cell having elevated Bmi-1 levels from the subject with an amount of the compound, wherein the cell is selected from a cancer cell, tumor cell, cancer stem cell or tumor stem cell, determining an effective amount of the compound that inhibits Bmi-1 function in the cell and subsequently administering the effective amount of the compound to the subject.
7. The method of claim 6, wherein the effective amount of the compound determined to inhibit Bmi-1 function in the contacted cell reduces Bmi-1 levels in the contacted cell.
8. The method of claim 7, wherein the effective amount of the compound is in a range of from about 0.001 mg/Kg/day to about 500 mg/Kg/day.
9. The method of claim 7, wherein the effective amount of the compound or a form thereof is in a range of from about 0.1 ng to about 3500 mg.
10. The method of claim 5, comprising administering the compound in combination with one or more additional agents selected from anti-cancer agents, anti-proliferative agents, chemotherapeutic agents, immunomodulatory agents, anti-angiogenic agents, anti-inflammatory agents, alkylating agents, steroidal and non-steroidal anti-inflammatory agents, pain relievers, leukotriene antagonists, β 2-agonists, anticholinergic agents, hormonal agents, biological agents, tubulin binding agents, glucocorticoids, corticosteroid agents, antibacterial agents, antihistamines, anti-malarial agents, anti-viral agents, antibiotics and the like; and, optionally with radiation therapy.
11. A use of the compound of claim 1 in the manufacture of a medicament for inhibiting Bmi-1 function and reducing the level of Bmi-1 to treat a cancer mediated by Bmi-1 in a subject in need thereof comprising administering an effective amount of the medicament to the subject.
12. A method of inhibiting Bmi-1 function and reducing the level of Bmi-1 to treat a cancer mediated by Bmi-1 in a subject in need thereof comprising administering to the subject an effective amount of the compound of claim 4.
13. The method of claim 12, further comprising contacting a cell having elevated Bmi-1 levels from the subject with an amount of the compound, wherein the cell is selected from a cancer cell, tumor cell, cancer stem cell or tumor stem cell, determining an

effective amount of the compound that inhibits Bmi-1 function in the cell and subsequently administering the effective amount of the compound to the subject.

14. The method of claim 13, wherein the effective amount of the compound determined to inhibit Bmi-1 function in the contacted cell reduces Bmi-1 levels in the contacted cell.

5 15. The method of claim 14, wherein the effective amount of the compound is in a range of from about 0.001 mg/Kg/day to about 500 mg/Kg/day.

16. The method of claim 14, wherein the effective amount of the compound is in a range of from about 0.1 mg to about 3500 mg.

10 17. The method of claim 12, comprising administering the compound in combination with one or more additional agents selected from anti-cancer agents, anti-proliferative agents, chemotherapeutic agents, immunomodulatory agents, anti-angiogenic agents, anti-inflammatory agents, alkylating agents, steroidal and non-steroidal anti-inflammatory agents, pain relievers, leukotriene antagonists, β 2-agonists, anticholinergic agents, hormonal agents, biological agents, tubulin binding agents, 15 glucocorticoids, corticosteroid agents, antibacterial agents, antihistamines, anti-malarial agents, anti-viral agents, antibiotics and the like; and, optionally with radiation therapy.

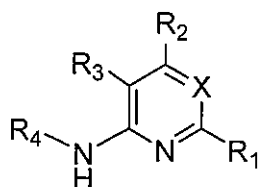
20 18. A use of the compound of claim 4 in the manufacture of a medicament for inhibiting Bmi-1 function and reducing the level of Bmi-1 to treat a cancer mediated by Bmi-1 in a subject in need thereof comprising administering an effective amount of the medicament to the subject.

19. A pharmaceutical composition for use in treating a cancer mediated by Bmi-1 comprising an effective amount of the compound of claim 1 in admixture with a pharmaceutically acceptable excipient.

25 20. A pharmaceutical composition for use in treating a cancer mediated by Bmi-1 comprising an effective amount of the compound of claim 4 in admixture with a pharmaceutically acceptable excipient.

What is claimed is:

1. A compound of Formula (I):



(I)

or a form thereof, wherein

R₁ is heteroaryl or heterocyclyl optionally substituted on a carbon atom ring member with one, two, three or four R₅ substituents, or on a nitrogen atom ring member with an oxygen atom substituent to form an N-oxide;

X is N or N substituted with an oxygen atom substituent to form an N-oxide;

R₂ is hydrogen, cyano, halo, hydroxyl, nitro, C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, amino, C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino, hydroxyl-amino, hydroxyl-C₁₋₈alkyl-amino, C₁₋₈alkoxy-C₁₋₈alkyl-amino, C₁₋₈alkyl-thio, C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-carbonyl-amino, amino-carbonyl, C₁₋₈alkyl-amino-carbonyl, (C₁₋₈alkyl)₂-amino-carbonyl, amino-carbonyl-amino, C₁₋₈alkyl-amino-carbonyl-amino, (C₁₋₈alkyl)₂-amino-carbonyl-amino, C₁₋₈alkoxy-carbonyl, C₁₋₈alkoxy-carbonyl-amino, amino-sulfonyl, C₁₋₈alkyl-amino-sulfonyl, (C₁₋₈alkyl)₂-amino-sulfonyl, amino-sulfonyl-amino, C₁₋₈alkyl-amino-sulfonyl-amino, (C₁₋₈alkyl)₂-amino-sulfonyl-amino, P(O)(R₇)₂-amino or heteroaryl, wherein heteroaryl is optionally substituted with one, two, three or four C₁₋₈alkyl substituents;

R₃ is hydrogen, cyano, halo, C₁₋₈alkyl, amino, C₁₋₈alkyl-amino or (C₁₋₈alkyl)₂-amino;

R₄ is C₃₋₁₄cycloalkyl, aryl, heteroaryl or heterocyclyl, each optionally substituted with one, two, three or four R₆ substituents;

R₅ is independently selected from cyano, halo, hydroxyl, nitro, oxo, C₁₋₈alkyl, cyano-C₁₋₈alkyl, halo-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, C₁₋₈alkoxy-C₁₋₈alkyl, halo-C₁₋₈alkoxy, C₂₋₈alkenyl, C₁₋₈alkoxy-C₂₋₈alkenyl, C₂₋₈alkynyl, C₁₋₈alkoxy-C₂₋₈alkynyl, carboxyl, amino, C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino, amino-C₁₋₈alkyl, C₁₋₈alkyl-amino-C₁₋₈alkyl, (C₁₋₈alkyl)₂-amino-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl-amino, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl-amino, C₁₋₈alkyl-thio, C₁₋₈alkyl-carbonyl,

C₁₋₈alkyl-carbonyl-amino, C₁₋₈alkyl-carbonyl-oxy, C₁₋₈alkyl-carbonyl-oxy-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl, C₁₋₈alkoxy-carbonyl-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl-amino, C₁₋₈alkyl-sulfonyl, C₃₋₁₄cycloalkyl, aryl, aryl-C₁₋₈alkyl, aryl-amino, aryl-C₁₋₈alkyl-amino, heteroaryl, heteroaryl-C₁₋₈alkyl or heterocyclyl, wherein C₃₋₁₄cycloalkyl, aryl, heteroaryl or heterocyclyl and the aryl and heteroaryl portions of aryl-C₁₋₈alkyl, aryl-amino, aryl-C₁₋₈alkyl-amino and heteroaryl-C₁₋₈alkyl are each optionally substituted with one, two, three or four halo, C₁₋₈alkyl, halo-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, halo-C₁₋₈alkoxy, hydroxyl-C₁₋₈alkoxy or carboxyl substituents;

R₆ is independently selected from cyano, halo, hydroxyl, nitro, C₁₋₈alkyl, halo-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl, C₁₋₈alkoxy, halo-C₁₋₈alkoxy, C₂₋₈alkenyl, C₁₋₈alkoxy-C₂₋₈alkenyl, C₂₋₈alkynyl, C₁₋₈alkoxy-C₂₋₈alkynyl, carboxyl, formyl, formyl-oxy, C₁₋₈alkyl-carbonyl, halo-C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-thio, halo-C₁₋₈alkyl-thio, amino, C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino, C₁₋₈alkyl-carbonyl, C₁₋₈alkyl-carbonyl-oxy, C₁₋₈alkyl-carbonyl-oxy-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl, halo-C₁₋₈alkoxy-carbonyl, C₁₋₈alkoxy-carbonyl-C₁₋₈alkyl, C₁₋₈alkoxy-carbonyl-amino, C₁₋₈alkoxy-carbonyl-amino-C₁₋₈alkyl, amino-carbonyl, C₁₋₈alkyl-amino-carbonyl, (C₁₋₈alkyl)₂-amino-carbonyl, C₁₋₈alkyl-carbonyl-amino, C₁₋₈alkyl-carbonyl-amino-C₁₋₈alkyl, amino-C₁₋₈alkyl, C₁₋₈alkyl-amino-C₁₋₈alkyl, (C₁₋₈alkyl)₂-amino-C₁₋₈alkyl, amino-C₁₋₈alkyl-amino, C₁₋₈alkyl-amino-C₁₋₈alkyl-amino, (C₁₋₈alkyl)₂-amino-C₁₋₈alkyl-amino, hydroxyl-C₁₋₈alkyl-amino, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl, hydroxyl-C₁₋₈alkyl-amino-C₁₋₈alkyl-amino, imino-C₁₋₈alkyl, hydroxyl-imino-C₁₋₈alkyl, C₁₋₈alkoxy-imino-C₁₋₈alkyl, C₁₋₈alkyl-sulfonyl, halo-C₁₋₈alkyl-sulfonyl, amino-sulfonyl, C₁₋₈alkyl-amino-sulfonyl, (C₁₋₈alkyl)₂-amino-sulfonyl, B(OR₈)₂, C₃₋₁₄cycloalkyl, , heterocyclyl aryl or heteroaryl, wherein C₃₋₁₄cycloalkyl, heterocyclyl, aryl, and heteroaryl are each optionally substituted with one, two, three or four halo or C₁₋₈alkyl substituents;

R₇ is independently hydroxyl or (C₁₋₈alkoxy)_n, wherein n represents an integer from 1 to 5;
and,

R₈ is independently hydrogen or C₁₋₈alkyl;

wherein the form of the compound is selected from a free acid, free base, salt, ester, hydrate, solvate, chelate, clathrate, polymorph, isotopologue, stereoisomer, racemate, enantiomer, diastereomer or tautomer thereof.

2. The compound of claim 1, wherein R₁ is optionally substituted heteroaryl or heterocyclyl selected from 1H-pyrazolyl, 1H-imidazolyl, 1,2-oxazolyl, pyridinyl, 1H-indolyl, 2H-indazolyl, 4,5,6,7-tetrahydro-2H-indazolyl, 1H-benzimidazolyl, imidazo[2,1-b][1,3]thiazolyl, pyrazolo[1,5-a]pyridinyl, pyrazolo[1,5-c]pyrimidinyl, imidazo[1,2-a]pyridinyl, 5,6,7,8-tetrahydroimidazo[1,2-a]pyridinyl, 1H-imidazo[4,5-b]pyridinyl, 1H-imidazo[4,5-c]pyridinyl, 4,5,6,7-tetrahydro-3H-imidazo[4,5-c]pyridinyl, imidazo[1,2-a]pyrazinyl, imidazo[1,2-a]pyrimidinyl, 7H-purinyl or quinolinyl.
3. The compound of claim 2, wherein R₁ is optionally substituted heteroaryl selected from 1H-pyrazolyl, 1H-indolyl, 1H-benzimidazolyl, pyrazolo[1,5-a]pyridinyl, imidazo[1,2-a]pyridinyl, 1H-imidazo[4,5-b]pyridinyl, imidazo[1,2-a]pyrazinyl or imidazo[1,2-a]pyrimidinyl.
4. A method of inhibiting Bmi-1 function and reducing the level of Bmi-1 to treat a cancer mediated by Bmi-1 in a subject in need thereof comprising administering to the subject an effective amount of the compound of claim 1.
5. The method of claim 4, further comprising contacting a cell having elevated Bmi-1 levels from the subject with an amount of the compound, wherein the cell is selected from a cancer cell, tumor cell, cancer stem cell or tumor stem cell, determining an effective amount of the compound that inhibits Bmi-1 function in the cell and subsequently administering the effective amount of the compound to the subject.
6. The method of claim 5, wherein the effective amount of the compound determined to inhibit Bmi-1 function in the contacted cell reduces Bmi-1 levels in the contacted cell.
7. The method of claim 6, wherein the effective amount of the compound is in a range of from about 0.001 mg/Kg/day to about 500 mg/Kg/day.
8. The method of claim 6, wherein the effective amount of the compound or a form thereof is in a range of from about 0.1 ng to about 3500 mg.
9. The method of claim 4, comprising administering the compound in combination with one or more additional agents selected from anti-cancer agents, anti-proliferative

agents, chemotherapeutic agents, immunomodulatory agents, anti-angiogenic agents, anti-inflammatory agents, alkylating agents, steroidal and non-steroidal anti-inflammatory agents, pain relievers, leukotriene antagonists, β 2-agonists, anticholinergic agents, hormonal agents, biological agents, tubulin binding agents, glucocorticoids, corticosteroid agents, antibacterial agents, antihistamines, anti-malarial agents, anti-viral agents, antibiotics and the like; and, optionally with radiation therapy.

10. A use of the compound of claim 1 in the manufacture of a medicament for inhibiting Bmi-1 function and reducing the level of Bmi-1 to treat a cancer mediated by Bmi-1 in a subject in need thereof comprising administering an effective amount of the medicament to the subject.
11. A pharmaceutical composition for use in treating a cancer mediated by Bmi-1 comprising an effective amount of the compound of claim 1 in admixture with a pharmaceutically acceptable excipient.