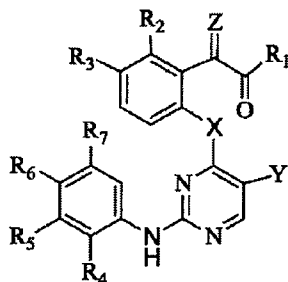


THE CLAIMS

What is claimed is:

1. A compound of Formula I or a pharmaceutically acceptable salt:



I

wherein,

X is absent, O, S, or NR₁₆; R₁₆ is H or C₁₋₆ alkyl;

Y is halogen, OH, NH₂, CN, N₃, NO₂, or C₁₋₆ alkyl;

Z is O, S, NR₂₀, or CR₂₀R₂₁; and each R₂₀ or R₂₁ is independently H, halogen, C₁₋₆ alkyl, or

C₁₋₆ alkoxy;

R₁ is hydroxy, N(R₈)(R₉), N(R₈)(CH₂)N(R₈)(R₉), N(R₈)(R₉)CO(R₉), N(R₈)CO(R₉), C(O)R₈, C(O)OR₈, C(O)NH₂, C(O)NH(R₈), C(O)N(R₈)(R₉), alkyl, haloalkyl, aryl, arylalkyl, alkoxy, heteroaryl, heterocyclic, or carbocyclic; each R₈ and R₉ is independently H, hydroxy, alkyl, alkenyl, heterocyclic, cycloalkyl, or carbocyclic;

R₂ is H, halogen, or C₁₋₄ alkyl; or

R₂ and R₁ together with the atoms to which they are attached form a 5- to 7-member heterocyclic ring comprising 1 - 3 hetero atoms independently selected from P, N, O or S;

R₃ is H, halogen, or a 5 or 6 member heterocyclic ring comprising 1 or 2 N atoms; or

R₂ and R₃ together form 5- to 12-membered heterocyclic ring comprising 1, 2, 3 or 4 hetero atoms independently selected from N, or O;

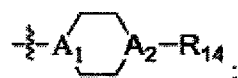
R₄ is H, C₁₋₆alkoxy, C₃₋₆alkenyloxy, C₃₋₆cycloalkyloxy, halogen, -O-heterocyclic, heterocyclic, or -NR₂₄(CH₂)_pNR₂₄R₂₅; and P is 0, 1, 2, or 3, and each R₂₄ or R₂₅ is independently H, halogen, C₁₋₆ alkyl, or C₁₋₆ alkoxy;

R₅ is H, F, C₁₋₆alkyl, haloalkyl which may be optionally substituted with C₁₋₆alkoxy, -NH₂, -NHCH₃, -NCH₃CH₃, -NHOH, C₁₋₆alkyl, halogen, or a bond, C₁₋₆alkoxy which may be optionally substituted with C₁₋₆alkoxy, -NH₂, -NHCH₃, -NCH₃CH₃, -NHOH, C₁₋₆alkyl, halogen, or a bond,

- cycloalkyloxy, $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\text{CR}_{17}=\text{CR}_{18}\text{R}_{19}$ which may be optionally substituted with C_{1-6} alkoxy, $-\text{NH}_2$, $-\text{NHCH}_3$, $-\text{NCH}_3\text{CH}_3$, $-\text{NHOH}$, C_{1-6} alkyl, halogen, or a bond,
- $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\text{OCHR}_{17}\text{R}_{18}$ which may be optionally substituted with C_{1-6} alkoxy, $-\text{NH}_2$, $-\text{NHCH}_3$, $-\text{NCH}_3\text{CH}_3$, $-\text{NHOH}$, C_{1-6} alkyl, halogen, or a bond,
- 5 $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\text{CR}_{17}(\text{CH}_2)_m\text{CHR}_{18}\text{R}_{19}$, $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\text{CR}_{17}=\text{CH}(\text{CH}_2)_m\text{NR}_{18}\text{R}_{19}$ which may be optionally substituted with C_{1-6} alkoxy, $-\text{NH}_2$, $-\text{NHCH}_3$, $-\text{NCH}_3\text{CH}_3$, $-\text{NHOH}$, C_{1-6} alkyl, halogen, or a bond, $-\text{NR}_{15}\text{C}(\text{O})\text{CR}_{17}(\text{CH}_2)_m\text{NR}_{18}(\text{CH}_2)_n\text{NR}_{18}\text{R}_{19}$ which may be optionally substituted with C_{1-6} alkoxy, $-\text{NH}_2$, $-\text{NHCH}_3$, $-\text{NCH}_3\text{CH}_3$, $-\text{NHOH}$, C_{1-6} alkyl, halogen, or a bond,
- $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\text{CHR}_{17}\text{R}_{18}$ which may be optionally substituted with C_{1-6} alkoxy, $-\text{NH}_2$, $-\text{NHCH}_3$, $-\text{NCH}_3\text{CH}_3$, $-\text{NHOH}$, C_{1-6} alkyl, halogen, or a bond,
- 10 $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\text{CR}_{17}(\text{CH}_2)_m\text{CHR}_{18}\text{R}_{19}$, or
- $-\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\overset{\text{R}_{17}}{\underset{\parallel}{\text{C}}}(\text{CH}_2)_m\text{CHR}_{18}\text{R}_{19}$; or R_5 is a 5 or 6 member heterocyclic ring containing 1, 2 or 3 hetero atoms independently selected from N or O; and each R_{15} , R_{17} , R_{18} or R_{19} is independently absent, $-\text{H}$, $-\text{OH}$, $-\text{NH}_2$, halogen, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heteroalkyl, heterocyclic, a bond, or heteroaryl; and each m or n is
- 15 independently 0, 1, 2, or 3;
- R_7 is H, halogen, C_{1-6} alkyl, C_{1-6} alkoxy, C_{3-6} alkenyloxy, C_{3-6} cycloalkyloxy, $-\text{OC}(\text{O})\text{N}(\text{R}_{10})(\text{R}_{11})$, $-\text{NR}_{10}\text{C}(\text{O})\text{OR}_{11}$, $-\text{NR}_{22}\text{C}(\text{O})\text{CR}_{23}=\text{CR}_{10}\text{R}_{11}$,
- $-\text{NR}_{22}\text{C}(\text{O})\text{CR}_{23}(\text{CH}_2)_s\text{CHR}_{10}\text{R}_{11}$, $\text{NR}_{15}\text{C}(\text{O})(\text{CH}_2)_n\overset{\text{R}_{23}}{\underset{\parallel}{\text{C}}}(\text{CH}_2)_m\text{CHR}_{18}\text{R}_{19}$, $-\text{NR}_{22}\text{C}(\text{O})\text{CR}_{23}=\text{CR}_{10}(\text{CH}_2)_s\text{R}_{11}$, $-\text{NR}_{22}\text{C}(\text{O})\text{CR}_{23}(\text{CH}_2)_s\text{NR}_{10}(\text{CH}_2)_t\text{NR}_{10}\text{R}_{11}$, or $-\text{NR}_{22}\text{C}(\text{O})(\text{CH}_2)_s\text{CR}_{23}=\text{CH}(\text{CH}_2)_t\text{NR}_{10}\text{R}_{11}$; or R_7 is
- 20 a 5 or 6 member heterocyclic ring comprising 1, 2 or 3 hetero atoms independently selected from N or O; and each R_{10} , R_{11} , R_{22} or R_{23} is independently H, alkyl, alkenyl, alkynyl, and heteroalkyl, heterocyclic, cycloalkyl, cycloalkyloxy, heteroalkyl or a bond, each of which may be optionally substituted with C_{1-6} alkyl, alkoxy, heterocyclic, cycloalkyl, cycloalkyloxy, heteroalkyl or a bond; or R_{10} and R_{11} , together with the atoms to which they are attached, combine to form a 3-, 4-, 5- or
- 25 6-membered heterocyclic ring; and each s or t is independently 0, 1, 2, or 3;

R_6 combines with R_7 to form a 6 member heterocyclic ring optionally substituted with hydroxy, alkyl, alkenyl, heterocyclic, cycloalkyl, $-\text{OR}_{13}$, $-\text{C}(\text{O})\text{R}_{12}$, $-\text{NR}_{12}\text{R}_{13}$, or carbocyclic, or R_6 is H, halogen, $-\text{CN}$, $-\text{NO}_2$, cycloalkyl, heteroalkyl, heterocyclic, heterocyclic-CO-alkyl, heterocyclic-CO-alkenyl, heteroaryl, $-\text{R}_{12}$, $-\text{OR}_{13}$, $-\text{O}-\text{NR}_{12}\text{R}_{13}$, $-\text{NR}_{12}\text{R}_{13}$, $-\text{NR}_{12}-\text{NR}_{12}\text{R}_{13}$,

$-NR_{12}-OR_{13}$, $-C(O)GR_{13}$, $-OC(O)GR_{13}$, $-NR_{12}C(O)GR_{13}$, $-SC(O)GR_{13}$, $-NR_{12}C(=S)GR_{13}$,
 $-OC(=S)GR_{13}$, $-C(=S)GR_{13}$, $-YC(=NR_{12})GR_{13}$, $-GC(=N-OR_{12})GR_{13}$, $-GC(=N-NR_{12}R_{13})GR_{13}$,
 $-GP(=O)(GR_{12})(GR_{13})$, $-NR_{12}SO_2R_{13}$, $-S(O)_rR_{13}$, $-SO_2NR_{12}R_{13}$, $-NR^1SO_2NR_{12}R_{13}$, $-O(CH_2)_rR_{13}$
 which may be optionally substituted with C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, haloalkyl, halogen,
 5 alkoxy, $-NH_2$, $-NCH_3CH_3$, or $-NHCH_3$, $-O(CH_2)_rNR_{12}R_{13}$ which may be optionally substituted
 with C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, haloalkyl, halogen, alkoxy, $-NH_2$, $-NCH_3CH_3$, or $-NHCH_3$,
 $-NR_{12}(CH_2)_rNR_{12}R_{13}$ which may be optionally substituted with C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl,
 haloalkyl, halogen, alkoxy, $-NH_2$, $-NCH_3CH_3$, or $-NHCH_3$, $-NR_{12}(CH_2)_rR_{13}$ which may be
 optionally substituted with C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, haloalkyl, halogen, alkoxy, $-NH_2$,
 10 $-NCH_3CH_3$, or $-NHCH_3$, $-(CH_2)_rNR_{12}R_{13}$ which may be optionally substituted with C_{1-6} alkyl,
 C_{2-6} alkenyl, C_{2-6} alkynyl, haloalkyl, halogen, alkoxy, $-NH_2$, $-NCH_3CH_3$, or $-NHCH_3$, or
 $-CH_2O(CH_2)_rNR_{12}R_{13}$ which may be optionally substituted with C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl,
 haloalkyl, halogen, alkoxy, $-NH_2$, $-NCH_3CH_3$, or $-NHCH_3$; or



15 each G is, independently, a bond, -O-, -S-, or $-NR_{15}$; and each R_{12} , R_{13} , or R_{15} is
 independently H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heteroalkyl,
 heterocyclic or heteroaryl;

r is 0, 1, 2, or 3;

each A_1 or A_2 is, independently, CH or N; and R_{14} is alkyl, alkoxy, alkenyl, alkynyl,
 20 cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heteroalkyl, heterocyclic or heteroaryl.

2. The compound of claim 1, wherein Y is halogen, methyl, or methyl substituted with halogen.

3. The compound of claim 1 or 2, wherein Y is Cl, or CF_3 .

4. The compound of any of claims 1-3, wherein X is NR_{16} .

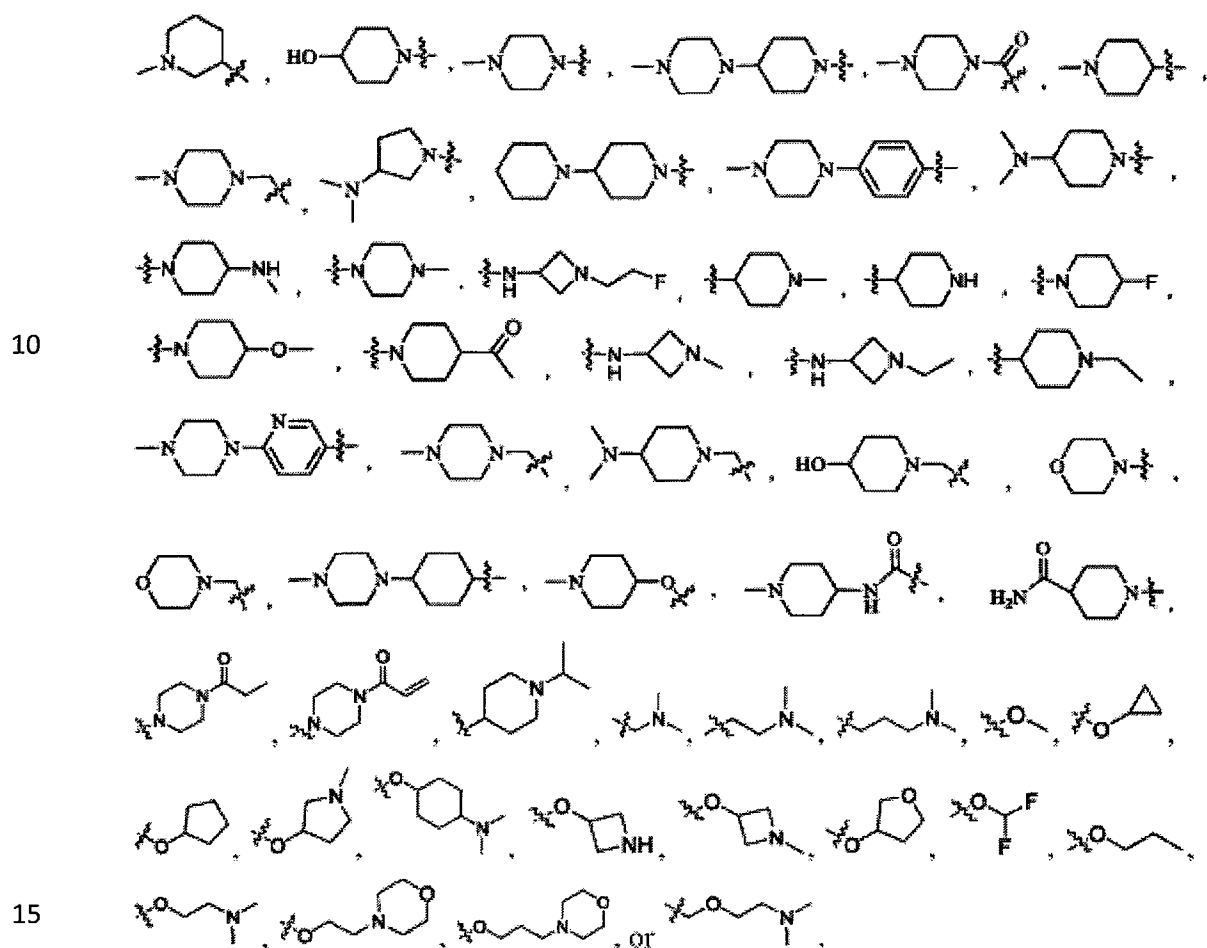
25 5. The compound of any of claims 1-4, wherein Z is O, or CH_2 .

6. The compound of any of claims 1-5, wherein each R_6 combines with R_7 to form a 6
 member heterocyclic ring optionally substituted with hydroxy, alkyl, alkenyl, heterocyclic,
 cycloalkyl, $-OR_{13}$, $-C(O)R_{12}$, $-NR_{12}R_{13}$, or carbocyclic; or R_6 is $-O(CH_2)_rR_{13}$, $-O(CH_2)_rNR_{12}R_{13}$,
 $-NR_{12}(CH_2)_rNR_{12}R_{13}$, $-NR_{12}(CH_2)_rR_{13}$, $-(CH_2)_rNR_{12}R_{13}$, or $-CH_2O(CH_2)_rNR_{12}R_{13}$, each of which

may be optionally substituted with C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, haloalkyl, halogen, alkoxy, -NH₂, -NCH₃CH₃, or -NHCH₃.

7. The compound of any of claims 1-6, wherein each R₁₂, R₁₃, or R₁₅ is independently H, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₃₋₆)cycloalkyl, (C₃₋₆)heteroalkyl, or (C₃₋₆)heterocyclic.

5 8. The compound of any of claims 1-7, wherein each R₆ is independently -OH, -OEt, -NH₂, -NHCH₃, -NCH₃CH₃, -H, -F,



9. The compound of any of claims 1-8, wherein R₂ and R₃ are both hydrogen.

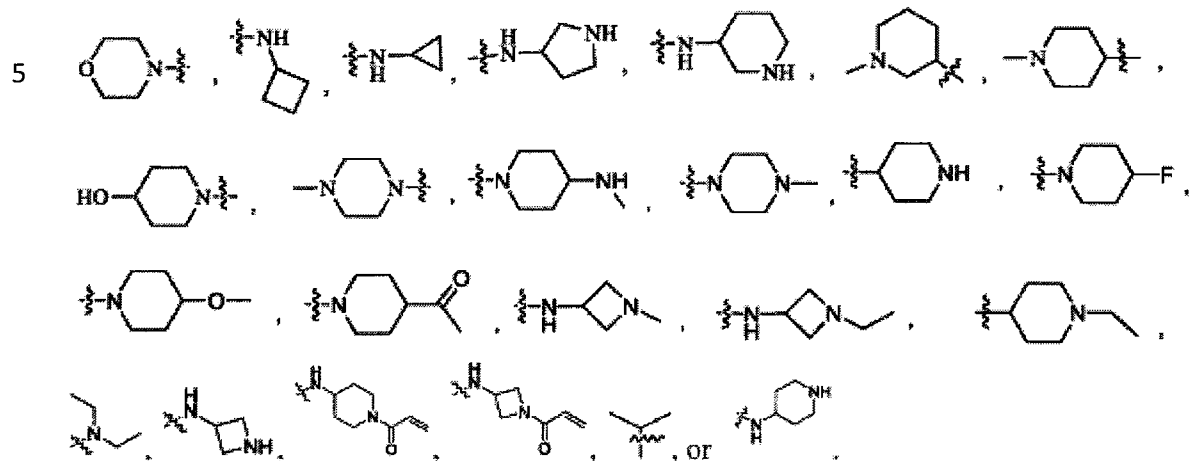
10. The compound of any of claims 1-9, wherein R₁ is hydroxy, N(R₈)(R₉), alkyl, alkoxy, or haloalkyl.

11. The compound of any of claims 1-10, wherein each R₈ and R₉ is independently H, hydroxy, C₁₋₆alkyl, C₂₋₆alkenyl.

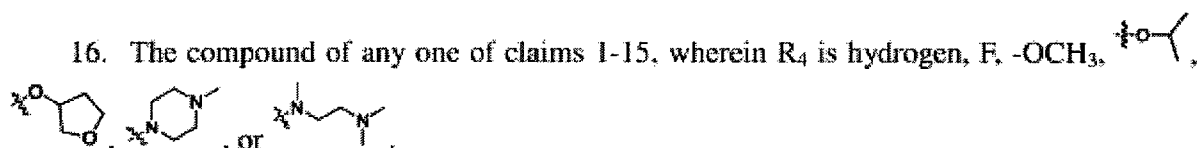
12. The compound of any of claims 1-11, wherein each R₈ or R₉ is independently methyl, or vinyl.

13. The compound of any of claims 1-10, wherein each R₈ and R₉ is independently heterocyclic, cycloalkyl, or carbocyclic.

14. The compound of any of claims 1-13, wherein each R₁ is independently -OH, -OEt, -NHOH, -NH₂, -NHCH₃, -NCH₃CH₃, -NHCH₂CH₂NCH₃CH₃, -NHCH₂CH₂OH, -CH₂CH₃,



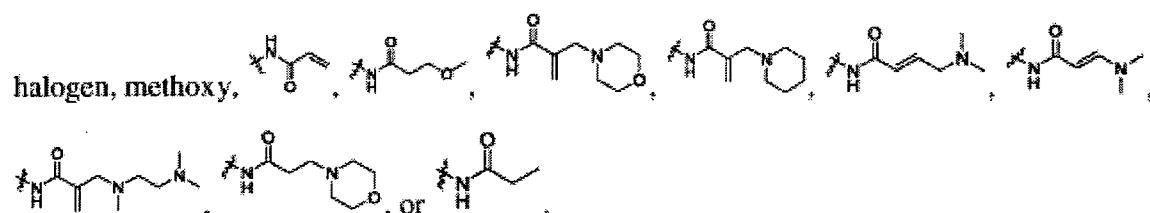
15. The compound of any one of claims 1-14, wherein R₄ is hydrogen, C₁₋₆alkoxy, C₃₋₆ alkenyloxy, C₃₋₆ cycloalkyloxy, halogen, -O-heterocyclic, heterocyclic, or -NR₂₄(CH₂)_pNR₂₄R₂₅; and P is 1, or 2, each R₂₄ or R₂₅ is independently C₁₋₆ alkyl, C₁₋₆alkoxy, -NHOH, -NH₂, NHCH₃, NCH₃CH₃, or halogen.



17. The compound of any of claims 1-16, wherein, R₅ is H, haloalkyl, C₁₋₆alkoxy,

-NR₁₅C(O)(CH₂)_nCR₁₇=CR₁₈R₁₉, -NR₁₅C(O)(CH₂)_nOCHR₁₇R₁₈, , -NR₁₅C(O)(CH₂)_nCR₁₇=CH(CH₂)_mNR₁₈R₁₉, -NR₁₅C(O)CR₁₇(CH₂)_mNR₁₈(CH₂)_nNR₁₈R₁₉, or -NR₁₅C(O)(CH₂)_nCHR₁₇R₁₈, each of which may be optionally substituted with C₁₋₆alkoxy, -NH₂, -NHCH₃, -NCH₃CH₃, -NHOH, C₁₋₆alkyl, halogen, or a bond; and each R₁₅, R₁₇, R₁₈ or R₁₉ is independently absent, -H, C₁₋₆alkyl, alkenyl, C₁₋₆alkoxy, -NHOH, -NH₂, -NHCH₃, -NCH₃CH₃, a bond, or C₃₋₆heterocyclic; and each m or n is independently 0, 1, or 2.

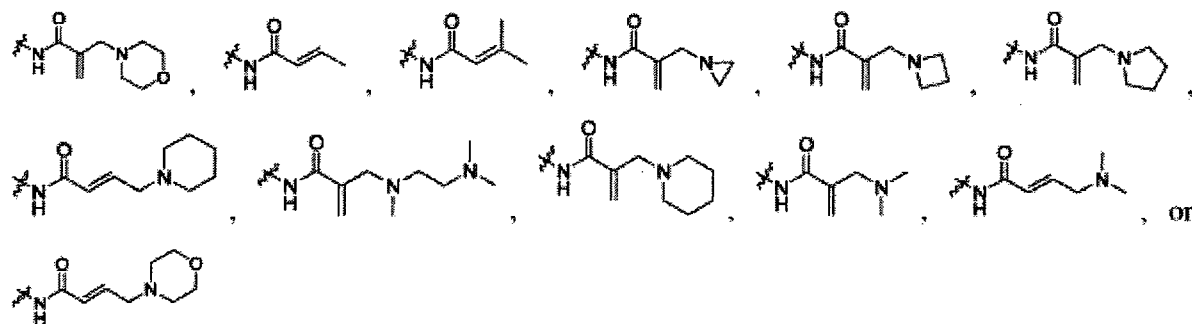
18. The compound of any of claims 1-17, wherein, R_5 is H, methyl, methyl substituted by



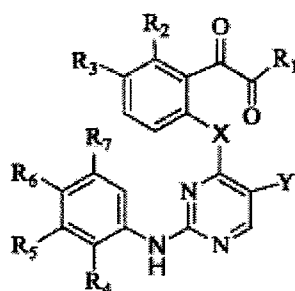
19. The compound of any of claims 1-18, wherein, R_7 is H, C_{1-6} alkyl,

- 5 $-NR_{22}C(O)CR_{23}=CR_{10}R_{11}$, $-NR_{22}C(O)CR_{23}(CH_2)_sCHR_{10}R_{11}$, $-NR_{22}C(O)CR_{23}=CR_{10}(CH_2)_tR_{11}$, $-NR_{22}C(O)CR_{23}(CH_2)_sNR_{10}(CH_2)_tNR_{10}R_{11}$, or $-NR_{22}C(O)(CH_2)_sCR_{23}=CH(CH_2)_tNR_{10}R_{11}$; and each R_{10} , R_{11} , R_{22} or R_{23} is independently H, alkyl, alkenyl, heterocyclic, cycloalkyl, cycloalkyloxy, heteroalkyl or a bond, each of which may be optionally substituted with C_{1-6} alkyl, alkoxy, heterocyclic, cycloalkyl, cycloalkyloxy, heteroalkyl or a bond; and each s or t is independently 0, 1, 10 or 2.

20. The compound of any of claims 1-19, wherein, R_7 is H, C_{1-6} alkyl, ,



21. The compound of any one of claims 1-20, wherein the compound is of Formula II:



Formula II

22. The compound of claim 21, wherein X is NH.

23. The compound of claim 21 or 22, wherein Y is Cl, CH_3 or CF_3 .

24. The compound of claim 1, wherein the compound is

ethyl 2-(2-(5-chloro-2-(4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-2-oxoacetate;

2-(2-(5-chloro-2-(4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-2-oxoacetic acid;

2-(2-(5-chloro-2-(4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-N-hydroxy-2-oxoacetamide;

2-(2-(5-chloro-2-(4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-2-oxoacetamide;

ethyl 2-(2-(5-chloro-2-(4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)acrylate;

2-(2-((5-chloro-2-((2-methoxy-4-(4-methylpiperazin-1-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((4-(4-acetylpiperazin-1-yl)-2-methoxyphenyl)amino)-5-chloropyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((5-chloro-2-((2-isopropoxy-5-methyl-4-(piperidin-4-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((5-chloro-2-((4-((1-(2-fluoroethyl)azetidin-3-yl)amino)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((2-methoxy-4-(4-methylpiperazin-1-yl)phenyl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((4-(4-acetylpiperazin-1-yl)-2-methoxyphenyl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((2-isopropoxy-5-methyl-4-(piperidin-4-yl)phenyl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((4-((1-(2-fluoroethyl)azetidin-3-yl)amino)-2-methoxyphenyl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)-5-(trifluoromethyl)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)-5-(trifluoromet

hyl)pyrimidin-4-yl)amino)phenyl)-2-oxoacetic acid;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-N-methyl-2-oxoacetamide;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-N,N-dimethyl-2-oxoacetamide;

1-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-morpholinoethane-1,2-dione;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-N-(2-(dimethylamino)ethyl)-2-oxoacetamide;

2-(2-((5-chloro-2-((2-methoxy-4-(4-(methylamino)piperidin-1-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)-N-(2-hydroxyethyl)-2-oxoacetamide;

1-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-3-methylbutane-1,2-dione;

1-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)propane-1,2-dione;

1-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-3-(dimethylamino)propane-1,2-dione;

N-(azetidin-3-yl)-2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-oxoacetamide;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-N-cyclopropyl-2-oxoacetamide;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-oxo-N-(pyrrolidin-3-yl)acetamide;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)-2-oxo-N-(piperidin-4-yl)acetamide;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide;

2-(2-((5-chloro-2-((4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylic acid;

2-(2-((5-chloro-2-((2-methoxy-4-(4-methylpiperazin-1-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylic acid;

mino)phenyl)acrylamide;

2-(2-((5-chloro-2-((2-methoxy-4-(4-methylpiperazin-1-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylic acid;

5 2-(2-((5-chloro-2-((4-((1-(2-fluoroethyl)azetidin-3-yl)amino)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide;

2-(2-((5-chloro-2-((4-((1-(2-fluoroethyl)azetidin-3-yl)amino)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylic acid;

2-(2-((5-chloro-2-((2-methoxy-4-(1-methylpiperidin-4-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide;

10 2-(2-((5-chloro-2-((2-methoxy-4-(1-methylpiperidin-4-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylic acid;

2-(2-((5-chloro-2-((2-methoxy-4-(piperidin-4-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide;

15 2-(2-((5-chloro-2-((2-methoxy-4-(piperidin-4-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylic acid;

2-(2-((5-chloro-2-((4-(4-fluoropiperidin-1-yl)-2-methoxyphenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide;

2-(2-((5-chloro-2-((2-methoxy-4-(4-methoxypiperidin-1-yl)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide;

20 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)acrylamide;

N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-2-(morpholinomethyl)acrylamide;

25 1-(2-(2-(4-(4-acetyl)piperazin-1-yl)-2-methoxyphenylamino)-5-chloropyrimidin-4-ylamino)phenyl)-2-morpholinoethane-1,2-dione;

1-(2-(2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)-5-(trifluoromethyl)pyrimidin-4-ylamino)phenyl)-2-morpholinoethane-1,2-dione;

1-(2-(5-chloro-2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-2-morpholinoethane-1,2-dione;

30 1-(2-(2-(4-(4-(dimethylamino)piperidin-1-yl)-2-methoxyphenylamino)-5-(trifluoromethyl

-)pyrimidin-4-ylamino)phenyl)-2-morpholinoethane-1,2-dione;
 2-(2-(5-chloro-2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;
 2-(2-(5-chloro-2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N-methyl-2-oxoacetamide;
 2-(2-(5-chloro-2-(2-methoxy-4-morpholinophenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;
 2-(2-(5-chloro-2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N-cyclopropyl-2-oxoacetamide;
 2-(2-(2-(4-(4-acetylpiperazin-1-yl)-2-methoxyphenylamino)-5-chloropyrimidin-4-ylamino)phenyl)-N-cyclopropyl-2-oxoacetamide;
 2-(2-(5-chloro-2-(2-methoxy-4-morpholinophenylamino)pyrimidin-4-ylamino)phenyl)-N-cyclopropyl-2-oxoacetamide;
 2-(2-(5-chloro-2-(2-methoxy-4-(4-propionylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;
 2-(2-(2-(4-(4-acetylpiperazin-1-yl)-2-methoxyphenylamino)-5-chloropyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;
 2-(2-(5-chloro-2-(2-methoxy-4-(4-propionylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N-methyl-2-oxoacetamide;
 N-(1-acryloylazetid-3-yl)-2-(2-(5-chloro-2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-2-oxoacetamide;
 N-(1-acryloylpiperidin-4-yl)-2-(2-(5-chloro-2-(2-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-2-oxoacetamide;
 N-(3-(5-chloro-4-(2-(2-(methylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)acrylamide;
 N-(3-(4-(2-(2-amino-2-oxoacetyl)phenylamino)-5-(trifluoromethyl)pyrimidin-2-ylamino)phenyl)acrylamide;
 N-(1-acryloylpiperidin-4-yl)-2-(2-(5-chloro-2-(4-fluoro-3-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-2-oxoacetamide;
 2-(2-(5-chloro-2-(3-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino

no)phenyl)-N-methyl-2-oxoacetamide;

2-(2-(5-chloro-2-(3-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;

2-(2-(5-chloro-2-(4-fluoro-3-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;

2-(2-(5-chloro-2-(4-fluoro-3-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-N-methyl-2-oxoacetamide;

N-(5-(5-chloro-4-(2-(2-(methylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-fluoro-4-methoxyphenyl)acrylamide;

N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(methylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-fluoro-2-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-fluoro-2-methoxyphenyl)acrylamide;

(E)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)but-2-enamide;

N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-3-methylbut-2-enamide;

(E)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-4-(piperidin-1-yl)but-2-enamide;

N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-2-(piperidin-1-ylmethyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxy-2-(4-methylpiperazin-1-yl)phenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(methylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4

-methoxy-2-(4-methylpiperazin-1-yl)phenyl)acrylamide;

N-(3-(5-chloro-4-(2-(2-(2-(dimethylamino)ethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)acrylamide;

5 N-(3-(5-chloro-4-(2-(2-(2-(dimethylamino)ethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;

N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-2-((dimethylamino)methyl)acrylamide;

(E)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-4-morpholinobut-2-enamide;

10 (E)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-4-(dimethylamino)but-2-enamide;

N-(5-(5-chloro-4-(2-(2-(methylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-(2-(dimethylamino)ethoxy)-4-methoxyphenyl)acrylamide;

15 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-(2-(dimethylamino)ethoxy)-4-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxy-2-(3-morpholinopropoxy)phenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(methylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxy-2-(3-morpholinopropoxy)phenyl)acrylamide;

20 N-(3-(5-chloro-4-(2-(2-morpholino-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(2-(dimethylamino)ethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

25 2-(2-(2-(4-acryloyl-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-ylamino)-5-chloropyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;

2-(2-(2-(4-(4-acryloylpiperazin-1-yl)-2-methoxyphenylamino)-5-chloropyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;

N-(3-(5-chloro-4-(2-(2-(4-methylpiperazin-1-yl)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;

30 N-(3-(5-chloro-4-(2-(2-morpholino-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)acrylamide;

yl)acrylamide;

N-(3-(5-chloro-4-(2-(2-(4-methylpiperazin-1-yl)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)acrylamide;

5 N-(5-(5-chloro-4-(2-(2-morpholino-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(4-methylpiperazin-1-yl)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

2-(2-(2-(4-(4-acetyl) piperazin-1-yl)-3-methoxyphenylamino)-5-chloropyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;

10 2-(aziridin-1-ylmethyl)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;

2-(azetidin-1-ylmethyl)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;

15 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-2-(pyrrolidin-1-ylmethyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxy-2-(2-morpholinoethoxy)phenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-((2-(dimethylamino)ethyl)(methyl)amino)phenyl)acrylamide;

20 N-(3-(4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)-5-methylpyrimidin-2-ylamino)-4-methoxyphenyl)-2-((dimethylamino)methyl)acrylamide;

N-(5-(4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)-5-methylpyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

25 N-(5-(5-chloro-4-(2-(2-((2-(dimethylamino)ethyl)(methyl)amino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-(2-(dimethylamino)ethoxy)phenyl)-3-methoxypropanamide;

N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-cyclopropoxyphenyl)acrylamide;

30 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)

- 2-(cyclopentyloxy)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(1-methylpyrrolidin-3-yloxy)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 5 -2-(4-(dimethylamino)cyclohexyloxy)phenyl)acrylamide;
N-(2-(azetidin-3-yloxy)-5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(1-methylazetidin-3-yloxy)phenyl)acrylamide;
10 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-morpholinophenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(4-methylpiperazin-1-yl)phenyl)acrylamide;
N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 15 phenyl)-2-(morpholinomethyl)acrylamide;
N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- phenyl)-2-(piperidin-1-ylmethyl)acrylamide;
(E)-N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)-4-(dimethylamino)but-2-enamide;
- 20 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(2-(dimethylamino)ethoxy)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(difluoromethoxy)phenyl)acrylamide;
2-(2-(5-chloro-2-(3-methoxy-4-morpholinophenylamino)pyrimidin-4-ylamino)phenyl)-N
- 25 ,N-dimethyl-2-oxoacetamide;
2-(2-(5-chloro-2-(4-(4-(dimethylamino)piperidin-1-yl)-3-methoxyphenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;
- 2-(2-(5-chloro-2-(4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N,N-dimethyl-2-oxoacetamide;
- 30 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)

- 2-(2-(dimethylamino)ethoxy)phenyl)propionamide;
 (E)-N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-(4-methylpiperazin-1-yl)phenyl)-3-(dimethylamino)acrylamide;
 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-propoxyphenyl)acrylamide;
 5 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-fluorophenyl)-3-morpholinopropanamide;
 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-(tetrahydrofuran-3-yloxy)phenyl)acrylamide;
 10 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)phenyl)-2-(((2-(dimethylamino)ethyl)(methyl)amino)methyl)acrylamide;
 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)-2-(((2-(dimethylamino)ethyl)(methyl)amino)methyl)acrylamide;
 N-(3-(5-chloro-4-(2-(2-(((2-(dimethylamino)ethyl)(methyl)amino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;
 15 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-(4-methylpiperazin-1-yl)phenyl)-2-(piperidin-1-ylmethyl)acrylamide;
 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-morpholinophenyl)-2-(piperidin-1-ylmethyl)acrylamide;
 20 2-(2-(5-chloro-2-(3-methoxy-4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)phenyl)-N,N-diethyl-2-oxoacetamide;
 N-(3-(5-chloro-4-(2-(2-(diethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-methoxyphenyl)acrylamide;
 N-(5-(5-chloro-4-(2-(2-(diethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-2-methoxyphenyl)acrylamide;
 25 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-5-(trifluoromethyl)phenyl)acrylamide;
 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)-4-(((2-(dimethylamino)ethyl)(methyl)amino)phenyl)acrylamide;
 30 N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)

- 4-(4-methylpiperazin-1-yl)phenyl)acrylamide;
N-(3-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 4-(tetrahydrofuran-3-yloxy)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 5 -2-((2-(dimethylamino)ethoxy)methyl)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-((2-(dimethylamino)ethoxy)methyl)-4-methoxyphenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-((dimethylamino)methyl)phenyl)acrylamide;
10 N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-((dimethylamino)methyl)-4-methoxyphenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-((4-methylpiperazin-1-yl)methyl)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 15 -4-methoxy-2-((4-methylpiperazin-1-yl)methyl)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(1-methylpiperidin-4-yl)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 4-methoxy-2-(1-methylpiperidin-4-yl)phenyl)acrylamide;
- 20 2-(2-(5-chloro-2-(3-methoxy-4-(1-methylpiperidin-4-yl)phenylamino)pyrimidin-4-ylami
no)phenyl)-N,N-dimethyl-2-oxoacetamide;
2-(2-(2-(4-(1-acetylpiperidin-4-yl)-3-methoxyphenylamino)-5-chloropyrimidin-4-ylami
no)phenyl)-N,N-dimethyl-2-oxoacetamide;
- N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 25 -2-(2-(dimethylamino)ethyl)phenyl)acrylamide;
N-(5-(5-chloro-4-(2-(2-(dimethylamino)-2-oxoacetyl)phenylamino)pyrimidin-2-ylamino)
- 2-(3-(dimethylamino)propyl)phenyl)acrylamide;
2-(2-(5-chloro-2-(4-(1-isopropylpiperidin-4-yl)-3-methoxyphenylamino)pyrimidin-4-yla
mino)phenyl)-N,N-dimethyl-2-oxoacetamide;
- 30 2-(2-(5-chloro-2-(2-isopropoxy-5-methyl-4-(piperidin-4-yl)phenylamino)pyrimidin-4-yla

mino)phenyl)-N,N-dimethyl-2-oxoacetamide.

25. A pharmaceutical composition comprising a compound of any of claims 1-24 and a pharmaceutically acceptable excipient.

26. The pharmaceutical composition according to claim 25, wherein, the said
5 compound is in a weight ratio to the said excipient within the range from about 0.0001 to about 10.

27. Use of a pharmaceutical composition of claim 25 or 26 or a compound of any of claims 1-24 for the preparation of a medicament for the treatment or prevention of, or for
10 delaying or preventing onset or progression in, cancer or cancer metastasis by inhibiting a kinase selected from one or more of EGFR, ALK or ALK fusion proteins.

28. The use of claim 27, wherein the EGFR is a mutant EGFR; the cancer is EGFR-driven cancer, and the EGFR-driven cancer is characterized by the presence of one or more mutations selected from: (i) L858R, (ii) T790M, (iii) both L858R and T790M, (iv) delE746_A750, or (v) both delE746_A750 and T790M.

15 29. The use of claim 28, wherein the EGFR-driven cancer is a non-small cell lung cancer, glioblastoma, pancreatic cancer, head and neck cancer, breast cancer, colorectal cancer, epithelial cancer, ovarian cancer, prostate cancer, or an adenocarcinoma.

30. The use of claim 29, wherein the head and neck cancer is head and neck squamous cell carcinoma.

20 31. The use of any of claims 27-30 for treatment of a human.

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