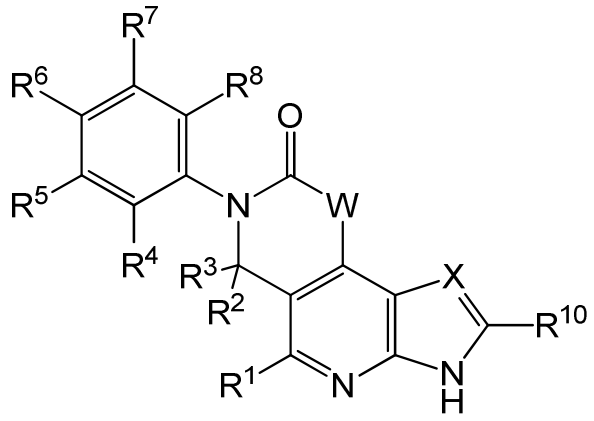
CLAIMS:

1. A compound of Formula II:



II

or a pharmaceutically acceptable salt thereof, wherein:

W is $CR^{17}R^{18}$;

X is CR^{15} or N;

R^1 is H, NR^AR^B, halo, and C_{1-3} alkyl;

R^2 and R^3 are each independently selected from H, CN, $C(O)NR^cR^d$, and C_{1-7} alkyl, wherein said C_{1-7} alkyl is optionally substituted by 1, 2, or 3 substituents independently selected from halo, OR^a, CN, NR^cR^d, and $C(O)NR^cR^d$;

or R^2 and R^3 together with the carbon atom to which they are attached form a 3-7 membered cycloalkyl ring or a 4-7 membered heterocycloalkyl ring, each optionally substituted by 1, 2, or 3 substituents independently selected from halo, C_{1-6} alkyl, C_{1-6} haloalkyl, CN, OR^a, SR^a, $C(O)R^b$, $C(O)NR^cR^d$, $C(O)OR^a$, $OC(O)R^b$, $OC(O)NR^cR^d$, NR^cR^d, $NR^cC(O)R^b$, and $NR^cC(O)OR^a$;

R^4, R^5, R^6, R^7, and R^8 are each independently selected from H, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, CN, OR^{a1}, SR^{a1}, $C(O)R^{b1}$, $C(O)NR^{c1}R^{d1}$, $C(O)OR^{a1}$, $OC(O)R^{b1}$, $OC(O)NR^{c1}R^{d1}$, $NR^{c1}R^{d1}$, $NR^{c1}C(O)R^{b1}$, $NR^{c1}C(O)OR^{a1}$, $NR^{c1}C(O)NR^{c1}R^{d1}$, $C(=NR^{e1})R^{b1}$, $C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}S(O)R^{b1}$, $NR^{c1}S(O)_2R^{b1}$, $NR^{c1}S(O)_2NR^{c1}R^{d1}$, $S(O)R^{b1}$, $S(O)NR^{c1}R^{d1}$, $S(O)_2R^{b1}$, and $S(O)_2NR^{c1}R^{d1}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, and 4-10 membered heterocycloalkyl are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, CN, NO_2, OR^{a1}, SR^{a1}, $C(O)R^{b1}$, $C(O)NR^{c1}R^{d1}$, $C(O)OR^{a1}$, $OC(O)R^{b1}$,

$OC(O)NR^{c1}R^{d1}$, $C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}C(=NR^{e1})NR^{c1}R^{d1}$, $NR^{c1}R^{d1}$, $NR^{c1}C(O)R^{b1}$, $NR^{c1}C(O)OR^{a1}$, $NR^{c1}C(O)NR^{c1}R^{d1}$, $NR^{c1}S(O)R^{b1}$, $NR^{c1}S(O)_2R^{b1}$, $NR^{c1}S(O)_2NR^{c1}R^{d1}$, $S(O)R^{b1}$, $S(O)NR^{c1}R^{d1}$, $S(O)_2R^{b1}$, and $S(O)_2NR^{c1}R^{d1}$;

R^{10}, R^{15}, R^{17}, and R^{18} are each independently selected from H, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $C(=NR^{e3})R^{b3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, and 4-10 membered heterocycloalkyl are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from R^{10a};

each R^{10a} is independently selected from Cy^2, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with 1, 2, or 3 substituents independently selected from Cy^2, halo, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$;

or R^{17} and R^{18} together with the carbon atom to which they are attached form a 3-, 4-, 5-, 6-, or 7-membered cycloalkyl group or a 4-, 5-, 6-, or 7-membered heterocycloalkyl group, each optionally substituted with 1, 2, or 3 substituents independently selected from Cy^2, C_{1-6} alkyl, C_{1-6} haloalkyl, halo, CN, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}C(O)OR^{a3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, and $S(O)_2NR^{c3}R^{d3}$, wherein said C_{1-6} alkyl is optionally substituted by 1, 2, or 3 substituents independently selected from Cy^2, halo, CN, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}C(O)OR^{a3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, and $S(O)_2NR^{c3}R^{d3}$;

R^A and R^B are each independently selected from H, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, C_{6-10} aryl-C_{1-4} alkyl, C_{3-10} cycloalkyl-C_{1-4} alkyl, (5-10 membered heteroaryl)-C_{1-4} alkyl, or (4-10 membered heterocycloalkyl)-C_{1-4} alkyl, wherein said C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, C_{6-10} aryl-C_{1-4} alkyl, C_{3-10} cycloalkyl-C_{1-4} alkyl, (5-10 membered heteroaryl)-C_{1-4} alkyl, and (4-10 membered heterocycloalkyl)-C_{1-4} alkyl is optionally substituted with 1, 2, or 3 substituents independently selected from OH, CN, amino, halo, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} alkylthio, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, C_{1-4} haloalkyl, and C_{1-4} haloalkoxy;

each Cy^2 is independently selected from C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, each of which is optionally substituted by 1, 2, 3, 4, or 5 substituents independently selected from halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 3-10 membered heterocycloalkyl, CN, NO_2, OR^{a5}, SR^{a5}, $C(O)R^{b5}$, $C(O)NR^{c5}R^{d5}$, $C(O)OR^{a5}$, $OC(O)R^{b5}$, $OC(O)NR^{c5}R^{d5}$, $NR^{c5}R^{d5}$, $NR^{c5}C(O)R^{b5}$, $NR^{c5}C(O)OR^{a5}$, $NR^{c5}C(O)NR^{c5}R^{d5}$, $C(=NR^{e5})R^{b5}$, $C(=NR^{e5})NR^{c5}R^{d5}$, $NR^{c5}C(=NR^{e5})NR^{c5}R^{d5}$, $NR^{c5}S(O)R^{b5}$, $NR^{c5}S(O)_2R^{b5}$, $NR^{c5}S(O)_2NR^{c5}R^{d5}$, $S(O)R^{b5}$, $S(O)NR^{c5}R^{d5}$, $S(O)_2R^{b5}$, and $S(O)_2NR^{c5}R^{d5}$; wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, and 4-10 membered heterocycloalkyl are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, CN, NO_2, OR^{a5}, SR^{a5}, $C(O)R^{b5}$, $C(O)NR^{c5}R^{d5}$, $C(O)OR^{a5}$, $OC(O)R^{b5}$, $OC(O)NR^{c5}R^{d5}$, $C(=NR^{e5})NR^{c5}R^{d5}$, $NR^{c5}C(=NR^{e5})NR^{c5}R^{d5}$, $NR^{c5}R^{d5}$, $NR^{c5}C(O)R^{b5}$, $NR^{c5}C(O)OR^{a5}$, $NR^{c5}C(O)NR^{c5}R^{d5}$, $NR^{c5}S(O)R^{b5}$, $NR^{c5}S(O)_2R^{b5}$, $NR^{c5}S(O)_2NR^{c5}R^{d5}$, $S(O)R^{b5}$, $S(O)NR^{c5}R^{d5}$, $S(O)_2R^{b5}$, and $S(O)_2NR^{c5}R^{d5}$;

each R^a, R^b, R^c, R^d, R^{a1}, R^{b1}, R^{c1}, R^{d1}, R^{a3}, R^{b3}, R^{c3}, R^{d3}, R^{a5}, R^{b5}, R^{c5}, and R^{d5} is independently selected from H, C_{1-6} alkyl, C_{1-4} haloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, C_{6-10} aryl-C_{1-4} alkyl, C_{3-10} cycloalkyl-C_{1-4} alkyl, (5-10 membered heteroaryl)-C_{1-4} alkyl, or (4-10 membered heterocycloalkyl)-C_{1-4} alkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, C_{6-10} aryl-C_{1-4} alkyl, C_{3-10} cycloalkyl-C_{1-4} alkyl, (5-10 membered heteroaryl)-C_{1-4} alkyl, and (4-10 membered heterocycloalkyl)-C_{1-4} alkyl is optionally substituted with 1, 2, 3, 4, or 5 substituents

independently selected from C_{1-4} alkyl, C_{1-4} haloalkyl, halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$;

or any R^c and R^d together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group optionally substituted with 1, 2, or 3 substituents independently selected from C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, 5-6 membered heteroaryl, C_{1-6} haloalkyl, halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$, wherein said C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, and 5-6 membered heteroaryl are optionally substituted by 1, 2, or 3 substituents independently selected from halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$;

or any R^{c1} and R^{d1} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group optionally substituted with 1, 2, or 3 substituents independently selected from C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, 5-6 membered heteroaryl, C_{1-6} haloalkyl, halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$, wherein said C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, and 5-6 membered heteroaryl are optionally substituted by 1, 2, or 3 substituents independently selected from halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$;

or any R^{c3} and R^{d3} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group optionally substituted with 1, 2, or 3 substituents independently selected from C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, 5-6 membered heteroaryl, C_{1-6} haloalkyl, halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$,

$NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$, wherein said C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, and 5-6 membered heteroaryl are optionally substituted by 1, 2, or 3 substituents independently selected from halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$;

or any R^{c5} and R^{d5} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group optionally substituted with 1, 2, or 3 substituents independently selected from C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, 5-6 membered heteroaryl, C_{1-6} haloalkyl, halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$, wherein said C_{1-6} alkyl, C_{3-7} cycloalkyl, 4-7 membered heterocycloalkyl, C_{6-10} aryl, and 5-6 membered heteroaryl are optionally substituted by 1, 2, or 3 substituents independently selected from halo, CN, OR^{a6}, SR^{a6}, $C(O)R^{b6}$, $C(O)NR^{c6}R^{d6}$, $C(O)OR^{a6}$, $OC(O)R^{b6}$, $OC(O)NR^{c6}R^{d6}$, $NR^{c6}R^{d6}$, $NR^{c6}C(O)R^{b6}$, $NR^{c6}C(O)NR^{c6}R^{d6}$, $NR^{c6}C(O)OR^{a6}$, $C(=NR^{e6})NR^{c6}R^{d6}$, $NR^{c6}C(=NR^{e6})NR^{c6}R^{d6}$, $S(O)R^{b6}$, $S(O)NR^{c6}R^{d6}$, $S(O)_2R^{b6}$, $NR^{c6}S(O)_2R^{b6}$, $NR^{c6}S(O)_2NR^{c6}R^{d6}$, and $S(O)_2NR^{c6}R^{d6}$;

each R^{e1}, R^{e3}, and R^{e5} is independently selected from H, C_{1-4} alkyl, CN, OR^{a6}, SR^{b6}, $S(O)_2R^{b6}$, $C(O)R^{b6}$, $S(O)_2NR^{c6}R^{d6}$, and $C(O)NR^{c6}R^{d6}$;

each R^{a6}, R^{b6}, R^{c6}, and R^{d6} is independently selected from H, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{2-4} alkenyl, and C_{2-4} alkynyl, wherein said C_{1-4} alkyl, C_{2-4} alkenyl, and C_{2-4} alkynyl, is optionally substituted with 1, 2, or 3 substituents independently selected from OH, CN, amino, halo, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} alkylthio, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, C_{1-4} haloalkyl, and C_{1-4} haloalkoxy;

or any R^{c6} and R^{d6} together with the N atom to which they are attached form a 4-, 5-, 6-, or 7-membered heterocycloalkyl group optionally substituted with 1, 2, or 3 substituents independently selected from OH, CN, amino, halo, C_{1-6} alkyl, C_{1-4} alkoxy, C_{1-4} alkylthio, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, C_{1-4} haloalkyl, and C_{1-4} haloalkoxy; and

each R^{e6} is independently selected from H, C_{1-4} alkyl, and CN.

2. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein:-
a) R^{17} and R^{18} are each independently selected from H, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, and CN, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, and 4-10 membered heterocycloalkyl are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from R^{10a}; or

b) R^{17} and R^{18} are each independently selected from H, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, and C_{1-6} haloalkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from R^{10a}; or

c) R^{17} and R^{18} are each independently selected from H and C_{1-6} alkyl; or

d) R^{17} and R^{18} together with the carbon atom to which they are attached form C_{3-7} cycloalkyl.

3. The compound of claim 1 or 2, or a pharmaceutically acceptable salt thereof, wherein each of R^1, R^2, and R^3 is H.

4. The compound of any one of claims 1 to 3, or a pharmaceutically acceptable salt thereof, wherein:-
a) R^4, R^5, R^6, R^7, and R^8 are each independently selected from H, halo, C_{1-6} alkyl, C_{1-6} haloalkyl, CN, and OR^{a1}; or

b) R^4, R^5, R^6, R^7, and R^8 are each independently selected from H, halo, and methoxy; or

c) R^5 and R^7 are both methoxy and R^4, R^6, and R^8 are each independently selected from H and halo; or

d) R^4 is halo, R^5 is methoxy, R^6 is H, R^7 is methoxy, and R^8 is halo.

5. The compound of any one of claims 1 to 4, or a pharmaceutically acceptable salt thereof, wherein:-

a) X is CR^{15}; or

b) X is CH.

6. The compound of any one of claims 1 to 5, or a pharmaceutically acceptable salt thereof, wherein R^{15} is H or 5-10 membered heteroaryl optionally substituted by C_{1-6} alkyl.

7. The compound of any one of claims 1 to 4, or a pharmaceutically acceptable salt thereof wherein:-

a) R^{10} is H, C_{1-6} alkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, CN, or $C(O)NR^{c3}R^{d3}$, wherein said C_{1-6} alkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, and 4-10 membered heterocycloalkyl are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from Cy^2, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally substituted with 1, 2, or 3 substituents independently selected from Cy^2, halo, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$; or

b) R^{10} is H, methyl, ethyl, phenyl, pyrazolyl, piperidinyl, tetrahydropyridinyl, CN, or $C(O)NR^{c3}R^{d3}$, wherein said methyl, ethyl, phenyl, pyrazolyl, piperidinyl, and tetrahydropyridinyl are each optionally substituted with 1, 2, or 3 substituents independently selected from Cy^2, $NR^{c3}R^{d3}$, and C_{1-6} alkyl optionally substituted with OR^{a3}; or

c) R^{10} is H, (4-methylpiperazin-1-yl)phenyl, 1-methyl-1H-pyrazolyl, 1-(2-hydroxyethyl)-1H-pyrazolyl, methylaminocarbonyl, cyano, 1-methyl-1,2,3,6-tetrahydropyridinyl, 1-methylpiperidin-4-yl, dimethylaminocarbonyl, (3-hydroxyazetidin-1-yl)carbonyl, (3-

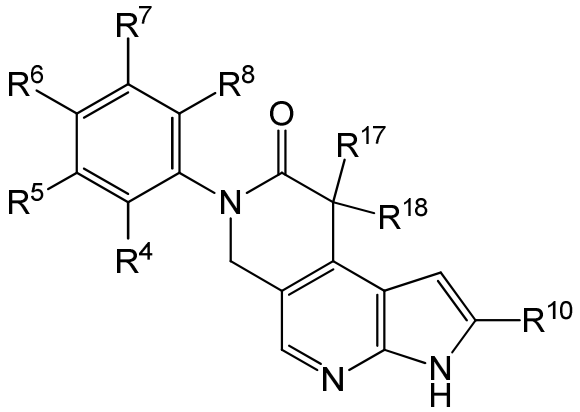
hydroxypyrrolidin-1-yl)carbonyl, (4-methylpiperazin-1-yl)carbonyl, cyclopropylaminocarbonyl, (3-cyanopyrrolidin-1-yl)carbonyl, (3-hydroxypiperidin-1-yl)carbonyl, tetrahydro-2H-pyran-4-yl, (4-methylpiperazin-1-yl)carbonyl, morpholin-4-ylcarbonyl, or (4,4-difluoropiperidin-1-yl)carbonyl; or

d) R^{10} is C_{1-6} alkyl optionally substituted with 4-7 membered heterocycloalkyl wherein said 4-7 membered heterocycloalkyl is selected from morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, tetrahydrofuranyl, and azetidinyl, and wherein said 4-7 membered heterocycloalkyl is optionally substituted by 1, 2, or 3 substituents independently selected from halo, C_{1-6} alkyl, C_{1-6} haloalkyl, CN, OR^{a5}, $C(O)R^{b5}$, $C(O)NR^{c5}R^{d5}$, $C(O)OR^{a5}$, $OC(O)R^{b5}$, $NR^{c5}R^{d5}$, and $NR^{c5}C(O)R^{b5}$; or

e) R^{10} is H, (4-methylpiperazin-1-yl)phenyl, 1-methyl-1H-pyrazolyl, 1-(2-hydroxyethyl)-1H-pyrazolyl, methylaminocarbonyl, cyano, 1-methyl-1,2,3,6-tetrahydropyridinyl, 1-methylpiperidin-4-yl, dimethylaminocarbonyl, (3-hydroxyazetidin-1-yl)carbonyl, (3-hydroxypyrrolidin-1-yl)carbonyl, (4-methylpiperazin-1-yl)carbonyl, cyclopropylaminocarbonyl, (3-cyanopyrrolidin-1-yl)carbonyl, (3-hydroxypiperidin-1-yl)carbonyl, morpholin-4-ylmethyl, (4-methylpiperazin-1-yl)methyl, 4-ethylpiperazin-1-yl)methyl, 4-(2-hydroxyethyl)piperazin-1-yl]methyl, cyanoethylpiperazinylmethyl, cyanopiperidinylmethyl, cyanopyrolidinylmethyl, (1-methylpiperidin-4-yl)aminomethyl, (tetrahydrofuran-3-ylamino)methyl, 1H-imidazol-1-ylmethyl, 1H-pyrazol-1-ylmethyl, (1-methyl-1H-pyrazol-4-yl)methyl, 2-pyridin-2-ylethyl, 2-morpholin-4-ylethyl, 2-(diethylamino)ethyl, 2-(3-fluoroazetidin-1-yl)ethyl, 2-(3-methoxyazetidin-1-yl)ethyl, (4-ethylpiperazin-1-yl)methyl, 3-(dimethylamino)pyrrolidin-1-yl]methyl, 2-(4-ethylpiperazin-1-yl)ethyl, 2-(4-methylpiperazin-1-yl)ethyl, (pyridin-3-yloxy)methyl, (2-oxopyridin-1(2H)-yl)methyl, (3-cyanoazetidin-1-yl)methyl, (3-fluoroazetidin-1-yl)methyl, or (3-hydroxyazetidin-1-yl)methyl; or

f) R^{10} is H.

8. The compound of claim 1, or a pharmaceutically acceptable salt thereof, having Formula IIb:



IIb.

9. The compound of claim 8, or a pharmaceutically acceptable salt thereof, wherein R^4 is halo, R^5 is methoxy, R^6 is H, R^7 is methoxy, and R^8 is halo.

10. The compound of claim 8 or 9, or a pharmaceutically acceptable salt thereof, wherein:-

a) R^{17} and R^{18} are each independently selected from H, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, and C_{1-6} haloalkyl, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from R^{10a}; or

b) R^{17} and R^{18} are both C_{1-6} alkyl.

11. The compound of any one of claims 8 to 10, or a pharmaceutically acceptable salt thereof wherein R^{10} is H, C_{1-6} alkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, 4-10 membered heterocycloalkyl, CN, or $C(O)NR^{c3}R^{d3}$, wherein said C_{1-6} alkyl, C_{6-10} aryl, C_{3-10} cycloalkyl, 5-10 membered heteroaryl, and 4-10 membered heterocycloalkyl are each optionally substituted with 1, 2, 3, 4, or 5 substituents independently selected from Cy^2, halo, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} haloalkyl, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$, wherein said C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl are each optionally

substituted with 1, 2, or 3 substituents independently selected from Cy^2, halo, CN, NO_2, OR^{a3}, SR^{a3}, $C(O)R^{b3}$, $C(O)NR^{c3}R^{d3}$, $C(O)OR^{a3}$, $OC(O)R^{b3}$, $OC(O)NR^{c3}R^{d3}$, $C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}C(=NR^{e3})NR^{c3}R^{d3}$, $NR^{c3}R^{d3}$, $NR^{c3}C(O)R^{b3}$, $NR^{c3}C(O)OR^{a3}$, $NR^{c3}C(O)NR^{c3}R^{d3}$, $NR^{c3}S(O)R^{b3}$, $NR^{c3}S(O)_2R^{b3}$, $NR^{c3}S(O)_2NR^{c3}R^{d3}$, $S(O)R^{b3}$, $S(O)NR^{c3}R^{d3}$, $S(O)_2R^{b3}$, and $S(O)_2NR^{c3}R^{d3}$.

12. The compound of claim 1, or a pharmaceutically acceptable salt thereof, wherein each of R^1, R^2, and R^3 is H.

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

a) R^4, R^5, R^6, R^7, and R^8 are each independently selected from H, halo, C_{1-6} alkyl, C_{1-6} haloalkyl, CN, and OR^{a1}; or

b) R^4, R^5, R^6, R^7, and R^8 are each independently selected from H, halo, and methoxy; or

c) R^5 and R^7 are both methoxy and R^4, R^6, and R^8 are each independently selected from H and halo; or

d) R^4 is halo, R^5 is methoxy, R^6 is H, R^7 is methoxy, and R^8 is halo.

14. The compound of claim 1:-

a) selected from:

7-(2,6-difluoro-3,5-dimethoxyphenyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7'-(2,6-difluoro-3,5-dimethoxyphenyl)-6',7'-dihydrospiro[cyclopropane-1,9'-pyrrolo[2,3-c][2,7]naphthyridin]-8'(3'H)-one; and

7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

or a pharmaceutically acceptable salt of any of the aforementioned; or

b) selected from:

7'-(2,6-difluoro-3,5-dimethoxyphenyl)-6',7'-dihydrospiro[cyclobutane-1,9'-pyrrolo[2,3-c][2,7]naphthyridin]-8'(3'H)-one;

7'-(2,6-difluoro-3,5-dimethoxyphenyl)-6',7'-dihydrospiro[cyclopentane-1,9'-pyrrolo[2,3-c][2,7]naphthyridin]-8'(3'H)-one;

7'-(2,6-difluoro-3,5-dimethoxyphenyl)-2,3,5,6,6',7'-hexahydrospiro[pyran-4,9'-pyrrolo[2,3-c][2,7]naphthyridin]-8'(3'H)-one;

7'-(2,6-difluoro-3,5-dimethoxyphenyl)-1-methyl-6',7'-dihydrospiro[piperidine-4,9'-pyrrolo[2,3-c][2,7]naphthyridin]-8'(3'H)-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-(morpholin-4-ylmethyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-[(4-methylpiperazin-1-yl)methyl]-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-2-[(4-ethylpiperazin-1-yl)methyl]-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

1-{[7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-8-oxo-6,7,8,9-tetrahydro-3H-pyrrolo[2,3-c]-2,7-naphthyridin-2-yl]methyl}piperidine-4-carbonitrile;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-2-{[(3S)-3-(dimethylamino)pyrrolidin-1-yl]methyl}-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-2-{[(3R)-3-(dimethylamino)pyrrolidin-1-yl]methyl}-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-(2-morpholin-4-ylethyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-2-[2-(4-ethylpiperazin-1-yl)ethyl]-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-[2-(4-methylpiperazin-1-yl)ethyl]-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

7-(2,6-difluoro-3,5-dimethoxyphenyl)-2-[(3-hydroxyazetidin-1-yl)methyl]-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one; and

7-(2,6-difluoro-3,5-dimethoxyphenyl)-2-[(3-fluoroazetidin-1-yl)methyl]-9,9-dimethyl-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one;

or a pharmaceutically acceptable salt of any of the aforementioned.

15. The compound of claim 1 which is 7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-(morpholin-4-ylmethyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one, or a pharmaceutically acceptable salt thereof.

16. The compound of claim 1 which is 7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-(morpholin-4-ylmethyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one.

17. The compound of claim 1 which is 7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-(2-morpholin-4-ylethyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one, or a pharmaceutically acceptable salt thereof.

18. The compound of claim 1 which is 7-(2,6-difluoro-3,5-dimethoxyphenyl)-9,9-dimethyl-2-(2-morpholin-4-ylethyl)-3,6,7,9-tetrahydro-8H-pyrrolo[2,3-c]-2,7-naphthyridin-8-one.

19. A pharmaceutical composition comprising:-
(a) a compound of any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof, and at least one pharmaceutically acceptable carrier; or
(b) a compound of claim 15 or 17, or a pharmaceutically acceptable salt thereof, and at least one pharmaceutically acceptable carrier; or
(c) a compound of claim 16 or 18 and at least one pharmaceutically acceptable carrier.

20. A method of inhibiting an FGFR enzyme comprising contacting *in vitro* said enzyme with:-
(a) a compound of any one of claims 1 to 14, or a pharmaceutically acceptable salt thereof;
(b) a compound of claim 15 or 17, or a pharmaceutically acceptable salt thereof, and at least one pharmaceutically acceptable carrier; or
(c) a compound of claim 16 or 18 and at least one pharmaceutically acceptable carrier.

21. A compound of any one of claims 1 to 15 and 17, or a pharmaceutically acceptable salt thereof, for use in:-
a) treating cancer; or

b) treating cancer, wherein said cancer is selected from bladder cancer, breast cancer, cervical cancer, colorectal cancer, endometrial cancer, gastric cancer, head and neck cancer, kidney cancer, liver cancer, lung cancer, ovarian cancer, prostate cancer, esophageal cancer, gall bladder cancer, pancreatic cancer, thyroid cancer, skin cancer, leukemia, multiple myeloma, chronic lymphocytic lymphoma, adult T cell leukemia, B-cell lymphoma, acute myelogenous leukemia, Hodgkin's or non-Hodgkin's lymphoma, Waldenstrom's Macroglubulinemia, hairy cell lymphoma, Burkett's lymphoma, glioblastoma, melanoma, and rhabdosarcoma.

22. A compound of any one of claims 1 to 15 and 17, or a pharmaceutically acceptable salt thereof, for use in:-
a) treating a myeloproliferative disorder; or

b) treating a myeloproliferative disorder, wherein said myeloproliferative disorder is selected from polycythemia vera, essential thrombocythemia, and primary myelofibrosis.

23. A compound of any one of claims 1 to 15 and 17, or a pharmaceutically acceptable salt thereof, for use in:-
a) treating a skeletal or chondrocyte disorder; or

b) treating a skeletal or chondrocyte disorder, wherein said skeletal or chondrocyte disorder is selected from achrondroplasia, hypochondroplasia, dwarfism, thanatophoric dysplasia (TD), Apert syndrome, Crouzon syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrate syndrome, Pfeiffer syndrome, and craniosynostosis syndrome.

24. A compound of any one of claims 1 to 15 and 17, or a pharmaceutically acceptable salt thereof, for use in:-
a) treating a hypophosphatemia disorder; or

b) treating a hypophosphatemia disorder, wherein said hypophosphatemia disorder is X-linked hypophosphatemic rickets, autosomal recessive hypophosphatemic rickets, and autosomal dominant hypophosphatemic rickets, or tumor-induced osteromalacia.

25. A compound of claim 16 or 18, or a pharmaceutically acceptable salt thereof, for use in:-

a) treating cancer; or

b) treating cancer, wherein said cancer is selected from bladder cancer, breast cancer, cervical cancer, colorectal cancer, endometrial cancer, gastric cancer, head and neck cancer, kidney cancer, liver cancer, lung cancer, ovarian cancer, prostate cancer, esophageal cancer, gall bladder cancer, pancreatic cancer, thyroid cancer, skin cancer, leukemia, multiple myeloma, chronic lymphocytic lymphoma, adult T cell leukemia, B-cell lymphoma, acute myelogenous leukemia, Hodgkin's or non-Hodgkin's lymphoma, Waldenstrom's Macroglubulinemia, hairy cell lymphoma, Burkett's lymphoma, glioblastoma, melanoma, and rhabdosarcoma.

26. A compound of claim 16 or 18, or a pharmaceutically acceptable salt thereof, for use in:-

a) treating a myeloproliferative disorder; or

b) treating a myeloproliferative disorder, wherein said myeloproliferative disorder is selected from polycythemia vera, essential thrombocythemia, and primary myelofibrosis.

27. A compound of claim 16 or 18, or a pharmaceutically acceptable salt thereof, for use in:-

a) treating a skeletal or chondrocyte disorder; or

b) treating a skeletal or chondrocyte disorder, wherein said skeletal or chondrocyte disorder is selected from achrondroplasia, hypochondroplasia, dwarfism, thanatophoric dysplasia (TD), Apert syndrome, Crouzon syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrate syndrome, Pfeiffer syndrome, and craniosynostosis syndrome.

28. A compound of claim 16 or 18, or a pharmaceutically acceptable salt thereof, for use in:-

a) treating a hypophosphatemia disorder; or

b) treating a hypophosphatemia disorder, wherein said hypophosphatemia disorder is X-linked hypophosphatemic rickets, autosomal recessive hypophosphatemic rickets, and autosomal dominant hypophosphatemic rickets, or tumor-induced osteromalacia.