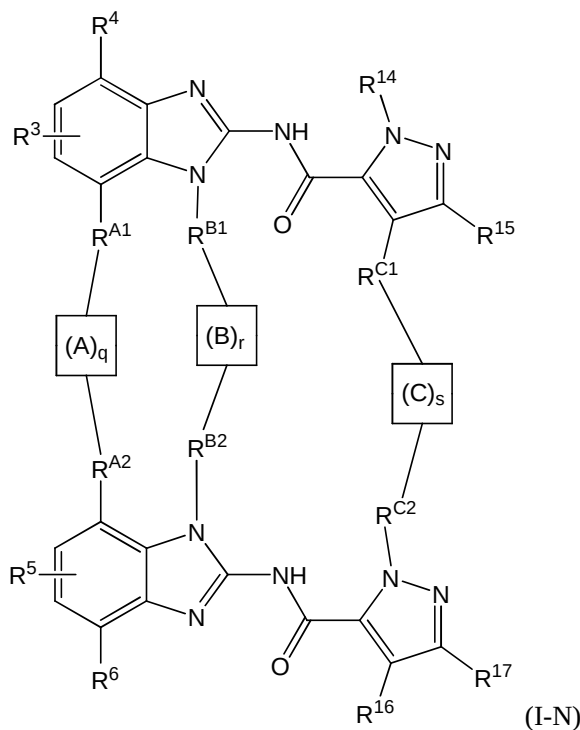


CLAIMS

1. A compound according to Formula (I-N):



wherein:

q is 0 or 1;

r is 0 or 1;

s is 0 or 1;

wherein $q + r + s = 1$ or 2 ;

when q is 0, R^{A1} and R^{A2} are each independently H, halogen, hydroxy, $-O-P(O)(OH)_2$,

$-O-P(O)(R^I)(R^{II})_2$, $-N(R^e)(R^f)$, $-CO_2R^f$, $-N(R^f)COR^b$, $-N(R^g)SO_2(C_1-C_4alkyl)-N(R^e)(R^f)$,

$-N(R^g)CO(C_1-C_4alkyl)-N(R^h)(R^f)$, optionally substituted (C_1-C_6alkyl) , optionally substituted

$(C_1-C_6alkyl)oxy-$, optionally substituted $(C_1-C_6alkyl)amino-$, and optionally substituted $(C_1-C_6alkyl)(C_1-C_4alkyl)amino-$,

wherein the (C_1-C_6alkyl) of said optionally substituted (C_1-C_6alkyl) , optionally substituted

$(C_1-C_6alkyl)oxy-$, optionally substituted $(C_1-C_6alkyl)amino-$ and optionally substituted

$(C_1-C_6alkyl)(C_1-C_4alkyl)amino-$ is optionally substituted by 1-4 substituents each

independently selected from hydroxy, $-O-P(O)(OH)_2$,

$-O-P(O)(R^I)(R^{II})_2$, $C_1-C_4alkoxy-$, $-N(R^e)(R^f)$, $-CO_2(R^f)$, $-CON(R^e)(R^f)$, optionally

substituted phenyl, optionally substituted 5-6 membered heterocycloalkyl and optionally

substituted 5-6 membered heteroaryl group, wherein said optionally substituted phenyl,

5-6 membered heterocycloalkyl or 5-6 membered heteroaryl is optionally substituted by

1-4 substituents each independently selected from halogen, hydroxy, $-O-P(O)(OH)_2$, $-O-$

$P(O)(R^I)(R^{II})_2$, amino, (C₁C₆alkyl)amino-, (C₁C₆alkyl)(C₁C₆alkyl)amino-, -(C₁C₆alkyl)-NH₂, halo(C₁C₆alkyl), hydroxy-(C₁C₄alkyl)-, -(C₁C₄alkyl)-O-P(O)(OH)₂, -(C₁C₄alkyl)-O-P(O)(R^I)(R^{II})₂, halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, -(C₂-C₄alkoxy)-O-P(O)(OH)₂, -(C₂-C₄alkoxy)-O-P(O)(R^I)(R^{II})₂, -C₁-C₄alkyl-(C₁-C₄alkoxy) and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

when r is 0, R^{B1} and R^{B2} are each independently H, optionally substituted C₁C₆alkyl, halo(C₁-C₆alkyl), optionally substituted C₂C₆alkenyl, optionally substituted C₂C₆alkynyl, optionally substituted C₃-C₆cycloalkyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted phenyl, optionally substituted 5-6 membered heteroaryl, or optionally substituted 9-10 membered heteroaryl,

wherein said optionally substituted C₁C₆alkyl, optionally substituted C₂C₆alkenyl, optionally substituted C₂C₆alkynyl, optionally substituted C₃-C₆cycloalkyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted phenyl, optionally substituted 5-6 membered heteroaryl, or optionally substituted 9-10 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, nitro, -R^c, -OH, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, -OR^c, -NH₂, -NR^cR^c, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c;

when s is 0, R^{C1} is H, halogen, or C₁-C₄alkyl and R^{C2} is optionally substituted C₁-C₄alkyl, wherein said optionally substituted C₁C₄alkyl group is optionally substituted by a substituent selected from -OR^c, -NR^cR^d, -CO₂R^c, -CONR^cR^d, -SO₂NR^cR^d, and -OCONR^cR^d;

when q is 1, R^{A1} and R^{A2} are each independently -CH₂, -NR^e-, or -O-, and A, taken together with R^{A1} and R^{A2}, forms a linking group, wherein A is halo(C₁C₁₂alkyl)-, optionally substituted C₁-C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-OC₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁-C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl-,

wherein the alkyl moiety of said optionally substituted C₁C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-O-C₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁-C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, halo(C₁-C₄alkyl), -OH, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, -OR^c, -NH₂, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c,

and

the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, or 5-6 membered heteroaryl moiety of said optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered

heteroaryl)-C₁C₆alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, amino, (C₁-C₄alkyl)amino-, (C₁C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₁-C₄alkoxy)-, -(C₁C₄alkoxy)-O-P(O)(OH)₂, -(C₁C₄alkoxy)-O-P(O)(R^I)(R^{II})₂ and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

when r is 1, R^{B1} and R^{B2} are each independently -CH₂, and B, taken together with R^{B1} and R^{B2}, forms a linking group, wherein B is a bond or B is halo(C₁C₁₀alkyl)-, optionally substituted C₁-C₁₀alkyl-, optionally substituted C₂C₁₀alkenyl-, optionally substituted C₂C₁₀alkynyl-, optionally substituted C₁C₆alkyl-OC₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₃-C₆cycloalkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted C₁-C₄alkyl-(C₃-C₆cycloalkyl)C₁C₄alkyl-, optionally substituted C₁C₄alkyl-phenylC₁C₄alkyl-, optionally substituted C₁C₄alkyl-(4-6 membered heterocycloalkyl)C₁C₄alkyl-, or optionally substituted C₁C₄alkyl-(5-6 membered heteroaryl)-C₁C₄alkyl-,

wherein the alkyl moiety of said optionally substituted C₁C₁₀alkyl-, optionally substituted C₂C₁₀alkenyl-, optionally substituted C₂C₁₀alkynyl-, optionally substituted C₁C₆alkyl-O-C₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁-C₄alkyl-(C₃-C₆cycloalkyl)C₁C₄alkyl-, optionally substituted C₁C₄alkyl-phenylC₁C₄alkyl-, optionally substituted C₁C₄alkyl-(4-6 membered heterocycloalkyl)C₁C₄alkyl-, or optionally substituted C₁C₄alkyl-(5-6 membered heteroaryl-C₁C₄alkyl)- is optionally substituted by 1 or 2 substituents each independently selected from halogen, halo(C₁-C₄alkyl), -OH, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, -OR^c, -NH₂, -NR^c^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^c^d, -SO₂NH₂, -SO₂NR^c^d, -OCONH₂, -OCONR^c^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c,

and

the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, or 5-6 membered heteroaryl moiety of said optionally substituted C₃-C₆cycloalkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted C₁C₄alkyl-(C₃-C₆cycloalkyl)C₁C₄alkyl-, optionally substituted C₁C₄alkyl-phenylC₁C₄alkyl-, optionally substituted C₁C₄alkyl-(4-6 membered heterocycloalkyl)C₁C₄alkyl-, or optionally substituted C₁C₄alkyl-(5-6 membered heteroaryl)-C₁C₄alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, amino, (C₁-C₄alkyl)amino-, (C₁C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, -(C₂-C₄alkoxy)-O-P(O)(OH)₂, -(C₂-C₄alkoxy)-O-P(O)(R^I)(R^{II})₂, and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

when s is 1, R^{C1} and R^{C2} are each independently -CH₂, and C, taken together with R^{C1} and R^{C2}, forms a linking group, wherein C is halo(C₁C₁₂alkyl)-, optionally substituted C₁C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-OC₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl-,

wherein the alkyl moiety of said optionally substituted C₁C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-O-C₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁-C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1 or 2 substituents each independently selected from halogen, halo(C₁-C₄alkyl), -OH, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, -OR^c, -NH₂, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c,

and

the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, or 5-6 membered heteroaryl moiety of said optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, amino, (C₁-C₄alkyl)amino-, (C₁C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, -(C₂-C₄alkoxy)-O-P(O)(OH)₂, -(C₂-C₄alkoxy)-O-P(O)(R^I)(R^{II})₂, and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

R³ and R⁵ are each independently -CON(R^d)(R^f), or one of R³ and R⁵ is -CON(R^d)(R^f), and the other of R³ and R⁵ is H, COOH or -CO₂(R^c);

R⁴ and R⁶ are each independently selected from H, halogen, halo(C₁C₆alkyl), halo(C₁C₆alkoxy)-, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, -NH₂, -NR^cR^c, -NR^cR^d, -COR^c, -CO₂R^c, -N(R^d)COR^c, -N(R^d)SO₂R^c, -N(R^g)SO₂(C₁-C₂alkyl)-N(R^h)(R^f), -N(R^g)CO(C₁-C₂alkyl)-N(R^h)(R^f), optionally substituted (C₁C₆alkyl), optionally substituted (C₁-C₆alkyl)oxy-, optionally substituted (C₁-C₆alkyl)amino-, and optionally substituted (C₁-C₆alkyl)(C₁-C₄alkyl)amino-,

wherein the (C₁-C₆alkyl) of said optionally substituted (C₁C₆alkyl), optionally substituted (C₁-C₆alkyl)oxy-, optionally substituted (C₁-C₆alkyl)amino- and optionally substituted (C₁C₆alkyl)(C₁-C₄alkyl)amino- is optionally substituted by 1-4 substituents each independently selected from -OH, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, -OR^c, -NH₂, -NR^cR^c, -NR^cR^d, -CO₂H, -CO₂R^c, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, -NR^dSO₂R^c, optionally substituted phenyl, optionally substituted 5-6 membered heterocycloalkyl and optionally substituted 5-6 membered heteroaryl group, wherein said optionally substituted phenyl, 5-6 membered heterocycloalkyl or 5-6 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, amino, (C₁C₄alkyl)amino-, (C₁C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), hydroxy-(C₁C₄alkyl)-,

$-(C_1-C_4alkyl)-O-P(O)(OH)_2$, $-(C_1-C_4alkyl)-O-P(O)(R^I)(R^{II})_2$, halo($C_1-C_4alkoxy$)-, $C_1-C_4alkoxy$ -, hydroxy- $(C_2-C_4alkoxy)$ -, $-(C_2-C_4alkoxy)-O-P(O)(OH)_2$, $-(C_2-C_4alkoxy)-O-P(O)(R^I)(R^{II})_2$, $C_1-C_4alkoxy-(C_1-C_4alkoxy)$ -, $-COR^d$, $-CON(R^d)(R^f)$, and $-CO_2R^d$;

R^{14} is optionally substituted C_1-C_4alkyl , wherein said optionally substituted C_1-C_4alkyl is optionally substituted by a substituent selected from $-OR^c$, $-NR^cR^d$, $-CO_2R^c$, $-CONR^cR^d$, $-SO_2NR^cR^d$, and $-OCONR^cR^d$;

R^{16} is H, halogen, or C_1-C_4alkyl ;

R^{15} and R^{17} are each independently H, cyclopropyl, or C_1-C_4alkyl ;

R^a is H, $-R^c$, $-COR^c$, $-CO_2H$, $-CO_2R^c$, $-SOR^c$, $-SO_2R^c$, $-CONH_2$, $-CONR^cR^d$, $-SO_2NH_2$, or $-SO_2NR^cR^d$;

each R^b is independently C_1-C_4alkyl , halo(C_1-C_4alkyl), $-(C_1-C_4alkyl)-OH$, $-(C_1-C_4alkyl)-O-P(O)(OH)_2$, $-(C_1-C_4alkyl)-O-P(O)(R^I)(R^{II})_2$, $-(C_1-C_4alkyl)-O-(C_1-C_4alkyl)$, $-(C_1-C_4alkyl)-N(R^e)(R^f)$, $(C_1-C_4alkyl)-O-CO(C_1-C_4alkyl)$, or $(C_1-C_4alkyl)-CO-O-(C_1-C_4alkyl)$;

each R^c is independently C_1-C_4alkyl , halo(C_1-C_4alkyl), $-(C_1-C_4alkyl)-OH$, $-(C_1-C_4alkyl)-O-P(O)(OH)_2$, $-(C_1-C_4alkyl)-O-P(O)(R^I)(R^{II})_2$, $-(C_1-C_4alkyl)-O-(C_1-C_4alkyl)$, $(C_1-C_4alkyl)-N(R^e)(R^f)$, $-(C_1-C_4alkyl)-O-CO(C_1-C_4alkyl)$, $(C_1-C_4alkyl)-CO-O-(C_1-C_4alkyl)$, optionally substituted $C_3-C_6cycloalkyl$, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted 9-10 membered heteroaryl, optionally substituted $C_1-C_4alkyl-C_3-C_6cycloalkyl$, optionally substituted C_1-C_4alkyl -phenyl, optionally substituted C_1-C_4alkyl -4-6 membered heterocycloalkyl, optionally substituted C_1-C_4alkyl -5-6 membered heteroaryl, or optionally substituted C_1-C_4alkyl -9-10 membered heteroaryl,

wherein the $C_3-C_6cycloalkyl$, phenyl, 4-6 membered heterocycloalkyl, 5-6 membered heteroaryl or optionally substituted 9-10 membered heteroaryl moiety of said substituted $C_3-C_6cycloalkyl$, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted 9-10 membered heteroaryl optionally substituted $C_1-C_4alkyl-C_3-C_6cycloalkyl$, optionally substituted C_1-C_4alkyl -phenyl, optionally substituted C_1-C_4alkyl -4-6 membered heterocycloalkyl, optionally substituted C_1-C_4alkyl -5-6 membered heteroaryl, or optionally substituted C_1-C_4alkyl -9-10 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, $-O-P(O)(OH)_2$, $-O-P(O)(R^I)(R^{II})_2$, amino, $-(C_1-C_4alkyl)NH_2$, $(C_1-C_4alkyl)amino$ -, $(C_1-C_4alkyl)(C_1-C_4alkyl)amino$ -, $-C_1-C_4alkyl$, halo(C_1-C_4alkyl), halo($C_1-C_4alkoxy$)-, $C_1-C_4alkoxy$ -, hydroxy- $(C_2-C_4alkoxy)$ -, $-(C_2-C_4alkoxy)-O-P(O)(OH)_2$, $-(C_2-C_4alkoxy)-O-P(O)(R^I)(R^{II})_2$, $C_1-C_4alkoxy-(C_1-C_4alkoxy)$ -, $-COR^d$, $-CON(R^d)(R^f)$, and $-CO_2R^d$;

each R^d is independently H or C_1-C_4alkyl ;

each R^e is independently H, C_1-C_4alkyl , $-CO(C_1-C_4alkyl)$, $-OCO(C_1-C_4alkyl)$, $-CO_2(C_1-C_4alkyl)$, $-(C_1-C_4alkyl)NH_2$, $-(C_1-C_4alkyl)C_1-C_4alkoxy$, $-CO$ -(optionally substituted 5-6 membered heterocycloalkyl), $-CO(C_1-C_4alkyl)$ -(optionally substituted 5-6 membered heterocycloalkyl), $-CO$ -(optionally substituted 5-6 membered heteroaryl), $-CO(C_1-C_4alkyl)$ -(optionally substituted 5-6 membered heteroaryl),

wherein the optionally substituted 5-6 membered heterocycloalkyl or optionally substituted 5-6 membered heteroaryl is optionally substituted 1-4 substituents each

independently selected from halogen, hydroxy, $-\text{O}-\text{P}(\text{O})(\text{OH})_2$, $-\text{O}-\text{P}(\text{O})(\text{R}^{\text{I}})(\text{R}^{\text{II}})_2$, amino, $(\text{C}_1\text{C}_4\text{alkyl})\text{amino}-$, $(\text{C}_1\text{C}_4\text{alkyl})(\text{C}_1\text{C}_4\text{alkyl})\text{amino}-$, $\text{C}_1\text{C}_4\text{alkyl}$, halo $(\text{C}_1\text{C}_4\text{alkyl})$, halo $(\text{C}_1\text{C}_4\text{alkoxy})-$, $\text{C}_1\text{C}_4\text{alkoxy}-$, hydroxy- $(\text{C}_2\text{C}_4\text{alkoxy})-$, $-(\text{C}_2\text{C}_4\text{alkoxy}) \text{O}-\text{P}(\text{O})(\text{OH})_2$, $-(\text{C}_2\text{C}_4\text{alkoxy})-\text{O}-\text{P}(\text{O})(\text{R}^{\text{I}})(\text{R}^{\text{II}})_2$, $\text{C}_1\text{C}_4\text{alkoxy}-(\text{C}_1\text{C}_4\text{alkoxy})-$, $-\text{COR}^{\text{d}}$, $-\text{CON}(\text{R}^{\text{d}})(\text{R}^{\text{f}})$, and $-\text{CO}_2\text{R}^{\text{d}}$;

each R^{f} is independently H or $\text{C}_1\text{C}_4\text{alkyl}$;

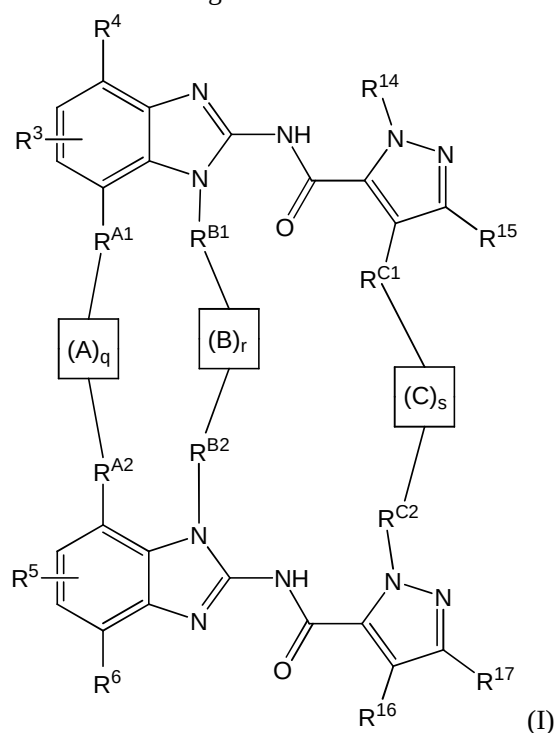
R^{g} and R^{h} are each independently H or $\text{C}_1\text{C}_4\text{alkyl}$ or R^{g} and R^{h} , taken together with the atom or atoms through which they are connected, form a 5-6 membered ring;

and each occurrence of R^{I} and R^{II} are independently $(\text{C}_1\text{C}_6\text{alkyl})\text{oxy}-$;

or a tautomer thereof;

or a salt thereof.

2. The compound or salt according to claim 1 has the structure of Formula (I)



wherein:

q is 0 or 1;

r is 0 or 1;

s is 0 or 1;

wherein $q + r + s = 1$ or 2 ;

when q is 0, R^{A1} and R^{A2} are each independently H, halogen, hydroxy, $-\text{N}(\text{R}^{\text{e}})(\text{R}^{\text{f}})$, $-\text{CO}_2\text{R}^{\text{f}}$, $-\text{N}(\text{R}^{\text{f}})\text{COR}^{\text{b}}$, $-\text{N}(\text{R}^{\text{g}})\text{SO}_2(\text{C}_1\text{C}_4\text{alkyl})-\text{N}(\text{R}^{\text{e}})(\text{R}^{\text{f}})$, $-\text{N}(\text{R}^{\text{g}})\text{CO}(\text{C}_1\text{C}_4\text{alkyl})-\text{N}(\text{R}^{\text{h}})(\text{R}^{\text{f}})$, optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})$, optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})\text{oxy}-$, optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})\text{amino}-$, and optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})(\text{C}_1\text{C}_4\text{alkyl})\text{amino}-$,

wherein the $(\text{C}_1\text{C}_6\text{alkyl})$ of said optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})$, optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})\text{oxy}-$, optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})\text{amino}-$ and optionally substituted $(\text{C}_1\text{C}_6\text{alkyl})(\text{C}_1\text{C}_4\text{alkyl})\text{amino}-$ is optionally substituted by 1-4 substituents each

independently selected from hydroxy, C₁-C₄alkoxy-, -N(R^e)(R^f), -CO₂(R^f), -CON(R^e)(R^f), optionally substituted phenyl, optionally substituted 5-6 membered heterocycloalkyl and optionally substituted 5-6 membered heteroaryl group, wherein said optionally substituted phenyl, 5-6 membered heterocycloalkyl or 5-6 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁C₆alkyl)amino-, (C₁C₆alkyl)(C₁C₆alkyl)amino-, halo(C₁C₆alkyl), hydroxy-(C₁-C₄alkyl)-, halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

when r is 0, R^{B1} and R^{B2} are each independently H, optionally substituted C₁C₆alkyl, halo(C₁-C₆alkyl), optionally substituted C₂C₆alkenyl, optionally substituted C₂C₆alkynyl, optionally substituted C₃-C₆cycloalkyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted phenyl, optionally substituted 5-6 membered heteroaryl, or optionally substituted 9-10 membered heteroaryl,

wherein said optionally substituted C₁C₆alkyl, optionally substituted C₂C₆alkenyl, optionally substituted C₂C₆alkynyl, optionally substituted C₃-C₆cycloalkyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted phenyl, optionally substituted 5-6 membered heteroaryl, or optionally substituted 9-10 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, nitro, -R^c, -OH, -OR^c, -NH₂, -NR^cR^c, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c;

when s is 0, R^{C1} is H, halogen, or C₁-C₄alkyl and R^{C2} is optionally substituted C₁-C₄alkyl, wherein said optionally substituted C₁C₄alkyl group is optionally substituted by a substituent selected from -OR^c, -NR^cR^d, -CO₂R^c, -CONR^cR^d, -SO₂NR^cR^d, and -OCONR^cR^d;

when q is 1, R^{A1} and R^{A2} are each independently -CH₂, -NR^e-, or -O-, and A, taken together with R^{A1} and R^{A2}, forms a linking group, wherein A is halo(C₁C₁₂alkyl)-, optionally substituted C₁-C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-OC₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁-C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl-,

wherein the alkyl moiety of said optionally substituted C₁C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-O-C₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁-C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, halo(C₁-C₄alkyl), -OH, -OR^c, -NH₂, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c,

and

the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, or 5-6 membered heteroaryl moiety of said optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁C₄alkyl)amino-, (C₁C₄alkyl)(C₁-C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

when r is 1, R^{B1} and R^{B2} are each independently -CH₂, and B, taken together with R^{B1} and R^{B2}, forms a linking group, wherein B is a bond or B is halo(C₁C₁₀alkyl)-, optionally substituted C₁-C₁₀alkyl-, optionally substituted C₂C₁₀alkenyl-, optionally substituted C₂C₁₀alkynyl-, optionally substituted C₁C₆alkyl-OC₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₃-C₆cycloalkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted C₁-C₄alkyl-(C₃-C₆cycloalkyl)C₁C₄alkyl-, optionally substituted C₁C₄alkyl-phenylC₁C₄alkyl-, optionally substituted C₁C₄alkyl-(4-6 membered heterocycloalkyl)C₁C₄alkyl-, or optionally substituted C₁C₄alkyl-(5-6 membered heteroaryl)-C₁C₄alkyl-,

wherein the alkyl moiety of said optionally substituted C₁C₁₀alkyl-, optionally substituted C₂C₁₀alkenyl-, optionally substituted C₂C₁₀alkynyl-, optionally substituted C₁C₆alkyl-O-C₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁-C₄alkyl-(C₃-C₆cycloalkyl)C₁C₄alkyl-, optionally substituted C₁C₄alkyl-phenylC₁C₄alkyl-, optionally substituted C₁C₄alkyl-(4-6 membered heterocycloalkyl)C₁C₄alkyl-, or optionally substituted C₁C₄alkyl-(5-6 membered heteroaryl-C₁C₄alkyl)- is optionally substituted by 1 or 2 substituents each independently selected from halogen, halo(C₁-C₄alkyl), -OH, -OR^c, -NH₂, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c,

and

the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, or 5-6 membered heteroaryl moiety of said optionally substituted C₃-C₆cycloalkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted C₁C₄alkyl-(C₃-C₆cycloalkyl)C₁C₄alkyl-, optionally substituted C₁C₄alkyl-phenylC₁C₄alkyl-, optionally substituted C₁C₄alkyl-(4-6 membered heterocycloalkyl)C₁C₄alkyl-, or optionally substituted C₁C₄alkyl-(5-6 membered heteroaryl)-C₁C₄alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁C₄alkyl)amino-, (C₁-C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

when s is 1, R^{C1} and R^{C2} are each independently -CH₂, and C, taken together with R^{C1} and R^{C2}, forms a linking group, wherein C is halo(C₁C₁₂alkyl)-, optionally substituted C₁C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-OC₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-,

optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl-,

wherein the alkyl moiety of said optionally substituted C₁C₁₂alkyl-, optionally substituted C₂C₁₂alkenyl-, optionally substituted C₂C₁₂alkynyl-, optionally substituted C₁C₆alkyl-O-C₁C₆alkyl-, optionally substituted C₁C₆alkyl-NR^aC₁C₆alkyl-, optionally substituted C₁-C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1 or 2 substituents each independently selected from halogen, halo(C₁-C₄alkyl), -OH, -OR^c, -NH₂, -NR^cR^d, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, and -NR^dSO₂R^c,

and

the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, or 5-6 membered heteroaryl moiety of said optionally substituted C₁C₆alkyl-(C₃-C₆cycloalkyl)C₁C₆alkyl-, optionally substituted C₁C₆alkyl-phenylC₁C₆alkyl-, optionally substituted C₁C₆alkyl-(4-6 membered heterocycloalkyl)C₁C₆alkyl-, or optionally substituted C₁C₆alkyl-(5-6 membered heteroaryl)-C₁C₆alkyl- is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁C₄alkyl)amino-, (C₁C₄alkyl)(C₁-C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

R³ and R⁵ are each independently -CON(R^d)(R^f), or one of R³ and R⁵ is -CON(R^d)(R^f), and the other of R³ and R⁵ is H or -CO₂(R^c);

R⁴ and R⁶ are each independently selected from H, halogen, halo(C₁C₆alkyl), halo(C₁C₆alkoxy)-, hydroxy, -NH₂, -NR^cR^c, -NR^cR^d, -COR^c, -CO₂R^c, -N(R^d)COR^c, -N(R^d)SO₂R^c, -N(R^g)SO₂(C₁-C₂alkyl)-N(R^h)(R^f), -N(R^g)CO(C₁-C₂alkyl)-N(R^h)(R^f), optionally substituted (C₁-C₆alkyl), optionally substituted (C₁-C₆alkyl)oxy-, optionally substituted (C₁-C₆alkyl)amino-, and optionally substituted (C₁C₆alkyl)(C₁-C₄alkyl)amino-,

wherein the (C₁-C₆alkyl) of said optionally substituted (C₁C₆alkyl), optionally substituted (C₁-C₆alkyl)oxy-, optionally substituted (C₁-C₆alkyl)amino- and optionally substituted (C₁C₆alkyl)(C₁-C₄alkyl)amino- is optionally substituted by 1-4 substituents each independently selected from -OH, -OR^c, -NH₂, -NR^cR^c, -NR^cR^d, -CO₂H, -CO₂R^c, -OCOR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, -SO₂NR^cR^d, -OCONH₂, -OCONR^cR^d, -NR^dCOR^c, -NR^dSOR^c, -NR^dCO₂R^c, -NR^dSO₂R^c, optionally substituted phenyl, optionally substituted 5-6 membered heterocycloalkyl and optionally substituted 5-6 membered heteroaryl group, wherein said optionally substituted phenyl, 5-6 membered heterocycloalkyl or 5-6 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁C₄alkyl)amino-, (C₁C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), hydroxy-(C₁C₄alkyl)-, halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, C₁-C₄alkoxy-(C₁-C₄alkoxy)-, -COR^d, -CON(R^d)(R^f), and -CO₂R^d;

R¹⁴ is optionally substituted C₁-C₄alkyl, wherein said optionally substituted C₁C₄alkyl is optionally substituted by a substituent selected from -OR^c, -NR^cR^d, -CO₂R^c, -CONR^cR^d,

-SO₂NR^cR^d, and -OCONR^cR^d;

R¹⁶ is H, halogen, or C₁-C₄alkyl;

R¹⁵ and R¹⁷ are each independently H, cyclopropyl, or C₁-C₄alkyl;

R^a is H, -R^c, -COR^c, -CO₂H, -CO₂R^c, -SOR^c, -SO₂R^c, -CONH₂, -CONR^cR^d, -SO₂NH₂, or -SO₂NR^cR^d;

each R^b is independently C₁-C₄alkyl, halo(C₁-C₄alkyl), -(C₁-C₄alkyl)-OH, -(C₁-C₄alkyl)-O-(C₁-C₄alkyl), (C₁-C₄alkyl)-N(R^e)(R^f), (C₁-C₄alkyl)-O-CO(C₁-C₄alkyl), or -(C₁-C₄alkyl)-CO-O-(C₁-C₄alkyl);

each R^c is independently C₁-C₄alkyl, halo(C₁-C₄alkyl), -(C₁-C₄alkyl)-OH, -(C₁-C₄alkyl)-O-(C₁-C₄alkyl), (C₁-C₄alkyl)-N(R^e)(R^f), (C₁-C₄alkyl)-O-CO(C₁-C₄alkyl), -(C₁-C₄alkyl)-CO-O-(C₁-C₄alkyl), optionally substituted C₃-C₆cycloalkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted 9-10 membered heteroaryl, optionally substituted C₁C₄alkyl-C₃-C₆cycloalkyl, optionally substituted C₁C₄alkyl-phenyl, optionally substituted C₁-C₄alkyl-4-6 membered heterocycloalkyl, optionally substituted C₁C₄alkyl-5-6 membered heteroaryl, or optionally substituted C₁C₄alkyl-9-10 membered heteroaryl, wherein the C₃-C₆cycloalkyl, phenyl, 4-6 membered heterocycloalkyl, 5-6 membered heteroaryl or optionally substituted 9-10 membered heteroaryl moiety of said substituted C₃-C₆cycloalkyl, optionally substituted phenyl, optionally substituted 4-6 membered heterocycloalkyl, optionally substituted 5-6 membered heteroaryl, optionally substituted 9-10 membered heteroaryl optionally substituted C₁C₄alkyl-C₃-C₆cycloalkyl, optionally substituted C₁C₄alkyl-phenyl, optionally substituted C₁C₄alkyl-4-6 membered heterocycloalkyl, optionally substituted C₁C₄alkyl-5-6 membered heteroaryl, or optionally substituted C₁C₄alkyl-9-10 membered heteroaryl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁-C₄alkyl)amino-, (C₁C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, C₁-C₄alkoxy-(C₁-C₄alkoxy)-, -COR^d, -CON(R^d)(R^f), and -CO₂R^d;

each R^d is independently H or C₁-C₄alkyl;

each R^e is independently H, C₁-C₄alkyl, -CO(C₁-C₄alkyl), -OCO(C₁-C₄alkyl), -CO₂(C₁-C₄alkyl), -CO-(optionally substituted 5-6 membered heterocycloalkyl), -CO(C₁-C₄alkyl)-(optionally substituted 5-6 membered heterocycloalkyl), -CO(optionally substituted 5-6 membered heteroaryl), -CO(C₁-C₄alkyl)-(optionally substituted 5-6 membered heteroaryl), wherein the optionally substituted 5-6 membered heterocycloalkyl or optionally substituted 5-6 membered heteroaryl is optionally substituted 1-4 substituents each independently selected from halogen, hydroxy, amino, (C₁C₄alkyl)amino-, (C₁-C₄alkyl)(C₁C₄alkyl)amino-, C₁C₄alkyl, halo(C₁C₄alkyl), halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, C₁-C₄alkoxy-(C₁-C₄alkoxy)-, -COR^d, -CON(R^d)(R^f), and -CO₂R^d;

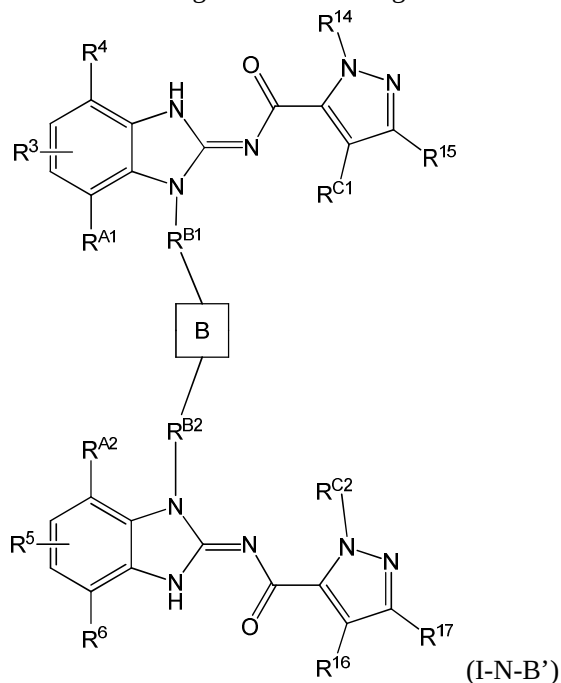
each R^f is independently H or C₁-C₄alkyl;

R^g and R^h are each independently H or C₁-C₄alkyl or R^g and R^h, taken together with the atom or atoms through which they are connected, form a 5-6 membered ring;

or a tautomer thereof;

or a salt thereof.

3. The compound or salt according to claim 1 or 2 wherein when s is 0, R^{C1} and R^{C2} are each independently H or C₁-C₄alkyl.
4. The compound or salt according to any one of claims 1 to 3, wherein when s is 0, R^{C1} and R^{C2} are each independently ethyl.
5. The compound or salt according to any one of claims 1 to 4, wherein r is 1, B, taken together with R^{B1} and R^{B2}, form -CH₂CH=CHCH₂-, -CH₂CH₂CH₂CH₂-, -CH₂CH(OH)CH(OH)CH₂-, or -CH₂CH₂N(CH₃)CH₂CH₂- group.
6. The compound or salt according to any one of claims 1 to 4, wherein r is 1, B, taken together with R^{B1} and R^{B2}, form a -CH₂CH=CHCH₂-.
7. The compound or salt according to any one of claims 1 to 6, wherein R⁴ and R⁶ are each H.
8. The compound or salt according to any one of claims 1 to 7, wherein R¹⁶ is H.
9. The compound or salt according to any one of claims 1 to 8, wherein R¹⁴, R¹⁵, and R¹⁷ are each independently C₁-C₃alkyl.
10. The compound or salt according to claim 1 having the structure of Formula (I-N-B')



wherein

R³ and R⁵ are each independently -CON(R^d)(R^f), or one of R³ and R⁵ is -CON(R^d)(R^f), and the other of R³ and R⁵ is H, COOH or -CO₂(R^c);

R^c is C₁-C₄alkyl;

R^{B1} and R^{B2} are each independently -CH₂-;

B is -halo(C₁-C₅alkyl), unsubstituted -C₁-C₅alkyl, or unsubstituted -C₂-C₅alkenyl-;

R^{A2} and R^{A1} are each independently H, halogen, hydroxyl, -O-P(O)(OH)₂,

-O-P(O)(R^I)(R^{II})₂, optionally substituted (C₁-C₆alkyl), or optionally substituted (C₁-C₆alkyl)oxy-,

wherein C₁-C₆alkyl of said optionally substituted (C₁-C₆alkyl), or optionally substituted (C₁-C₆alkyl)oxy- is optionally substituted with 1-4 substituents each independently selected from the group consisting of hydroxyl, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, C₁-C₄alkoxy, -N(R^e)(R^f), -CO₂(R^f), optionally substituted phenyl, and optionally substituted 5-6 membered heterocycloalkyl; wherein said optionally substituted phenyl, or 5-6 membered heterocycloalkyl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, amino, (C₁-C₆alkyl)amino-, (C₁-C₆alkyl)(C₁-C₆alkyl)amino-, halo(C₁-C₆alkyl), hydroxy-(C₁-C₄alkyl)-, -(C₁-C₄alkyl)-O-P(O)(OH)₂, -(C₁-C₄alkyl)-O-P(O)(R^I)(R^{II})₂, halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, -(C₂-C₄alkoxy)-O-P(O)(OH)₂, -(C₂-C₄alkoxy)-O-P(O)(R^I)(R^{II})₂, -(C₁-C₆alkyl)-NH₂, -C₁-C₄alkyl-(C₁-C₄alkoxy) and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

each R^d is independently H or C₁-C₄alkyl;

R^e is selected from H, (C₁-C₄alkyl), -CO(C₁-C₄alkyl), -OCO(C₁-C₄alkyl), -(C₁-C₄alkyl)-NH₂, -(C₁-C₄alkyl) C₁-C₄alkoxy, or -CO₂(C₁-C₄alkyl),

each occurrence of R^f is H or (C₁-C₄alkyl);

R⁴ and R⁶ are H;

R¹⁴ is C₁-C₄alkyl;

R^{C1} is H or C₁-C₄alkyl;

R^{C2} is C₁-C₄alkyl;

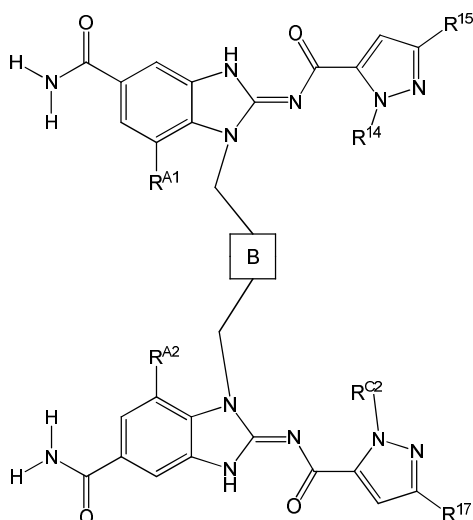
R¹⁵ is H or C₁-C₄alkyl;

R¹⁶ is H or C₁-C₄alkyl;

R¹⁷ is H or C₁-C₄alkyl; and

each occurrence of R^I and R^{II} are independently (C₁-C₆alkyl)oxy-, or a tautomer thereof.

11. The compound or salt according to claim 10, which has the structure of Formula (I-N-b'),



Formula (I-N-b')

wherein

B is -halo(C₁-C₅alkyl), unsubstituted -C₁-C₅alkyl, or unsubstituted -C₂-C₅alkenyl-;

R^{A2} and R^{A1} are each independently H, halogen, hydroxyl, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, optionally substituted (C₁-C₆alkyl), or optionally substituted (C₁-C₆alkyl)oxy-,

wherein C₁-C₆alkyl of said optionally substituted (C₁-C₆alkyl), or optionally substituted (C₁-C₆alkyl)oxy- is optionally substituted with 1-4 substituents each independently selected from the group consisting of hydroxyl, C₁-C₄alkoxyl, -N(R^e)(R^f), -CO₂(R^f), optionally substituted phenyl, and optionally substituted 5-6 membered heterocycloalkyl, and wherein said optionally substituted phenyl, or 5-6 membered heterocycloalkyl is optionally substituted by 1-4 substituents each independently selected from halogen, hydroxy, -O-P(O)(OH)₂, -O-P(O)(R^I)(R^{II})₂, amino, (C₁C₆alkyl)amino-, (C₁C₆alkyl)(C₁C₆alkyl)amino-, halo(C₁C₆alkyl), hydroxy-(C₁C₄alkyl)-, -(C₁C₄alkyl)-O-P(O)(OH)₂, -(C₁C₄alkyl)-O-P(O)(R^I)(R^{II})₂, halo(C₁-C₄alkoxy)-, C₁-C₄alkoxy-, hydroxy-(C₂-C₄alkoxy)-, -(C₂-C₄alkoxy)-O-P(O)(OH)₂, -(C₂-C₄alkoxy)-O-P(O)(R^I)(R^{II})₂, -(C₁-C₆alkyl)-NH₂, -C₁-C₄alkyl-(C₁-C₄alkoxyl) and C₁-C₄alkoxy-(C₁-C₄alkoxy)-;

R^e is selected from H, (C₁-C₄alkyl), -CO(C₁-C₄alkyl), -OCO(C₁-C₄alkyl),

-(C₁C₄alkyl)-NH₂, -(C₁C₄alkyl) C₁-C₄alkoxy, or -CO₂(C₁-C₄alkyl),

each R^f is H or (C₁-C₄alkyl);

R¹⁴ is C₁-C₄alkyl;

R^{C2} is C₁-C₄alkyl;

R¹⁵ is C₁-C₄alkyl; and

R¹⁷ is C₁-C₄alkyl;

each occurrence of R^I and R^{II} are independently (C₁-C₆alkyl)oxy-, or a tautomer thereof.

12. The compound or salt according to claim 10 or 11, wherein R^{A2} and R^{A1} are each independently H, optionally substituted (C₁-C₆alkyl), or optionally substituted (C₁-C₆alkyl)oxy-, and the C₁-C₆alkyl of said optionally substituted (C₁-C₆alkyl), optionally substituted (C₁-C₆alkyl)oxy- is

optionally substituted with 1-4 substituents each independently selected from the group consisting of hydroxyl, -N(R^e)(R^f), C₁-C₄alkoxyl, phenyl, optionally substituted 5-6 membered heterocycloalkyl containing at least one nitrogen or oxygen as a member of the ring, and R^e and R^f are each independently H or C₁-C₄alkyl.

13. The compound or salt according to claim 10 or 11, wherein at least one of R^{A2} or R^{A1} is each independently H, optionally substituted (C₁-C₆alkyl), or optionally substituted (C₁-C₆alkyl)oxy-, and the C₁-C₆alkyl of said optionally substituted (C₁-C₆alkyl), optionally substituted (C₁-C₆alkyl)oxy- is optionally substituted with 1-4 substituents each independently selected from the group consisting of -N(R^e)(R^f), tetrahydropyran, pyrrolidinyl, piperazinyl, piperidyl and morpholinyl, and R^e and R^f are each independently H or C₁-C₄alkyl.

14. A compound or a salt according to claim 10 or 11, which is

(E)-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-(3-hydroxypropoxy)-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-((E)-4-((E)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-hydroxypropoxy)-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(Z)-1-((E)-4-((Z)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-hydroxypropoxy)-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-(3-hydroxypropoxy)-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-methoxy-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-((E)-4-((E)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-hydroxypropoxy)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-methoxy-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(Z)-1-((E)-4-((Z)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-hydroxypropoxy)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-methoxy-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-(3-morpholinopropoxy)-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-((E)-4-((E)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-morpholinopropoxy)-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(Z)-1-((E)-4-((Z)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-morpholinopropoxy)-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-(3-morpholinopropoxy)-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-methoxy-1H-benzo[d]imidazole-5-carboxamide;

(E)-1-((E)-4-((E)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-morpholinopropoxy)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-methoxy-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

(Z)-1-((E)-4-((Z)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-(3-morpholinopropoxy)-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-methoxy-2,3-dihydro-1H-benzo[d]imidazole-5-carboxamide;

3-(((Z)-6-carbamoyl-3-((E)-4-((Z)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-methoxy-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-2,3-dihydro-1H-benzo[d]imidazol-4-yl)oxy)propyl dihydrogen phosphate;

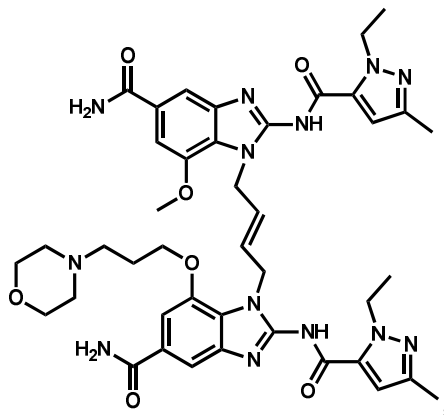
(E)-3-((5-carbamoyl-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-methoxy-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-1H-benzo[d]imidazol-7-yl)oxy)propyl dihydrogen phosphate;

3-(((Z)-6-carbamoyl-3-((E)-4-((Z)-5-carbamoyl-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-7-methoxy-2,3-dihydro-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-((1-ethyl-3-methyl-1H-pyrazole-5-carbonyl)imino)-2,3-dihydro-1H-benzo[d]imidazol-4-yl)oxy)propyl dihydrogen phosphate;

or a tautomer thereof,

or a salt thereof.

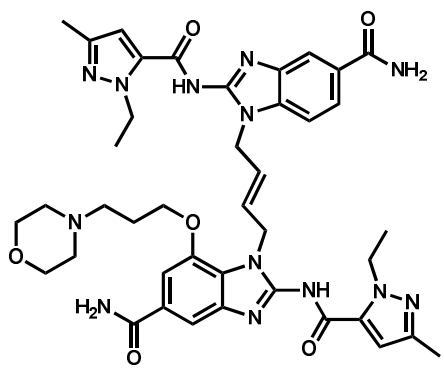
15. A compound or a salt according to claim 1, which is (E)-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-(3-morpholinopropoxy)-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-methoxy-1H-benzo[d]imidazole-5-carboxamide having the structure of



or a tautomer thereof,

or a salt thereof.

16. A compound or a salt according to claim 1, which is (E)-1-(4-(5-carbamoyl-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-1H-benzo[d]imidazol-1-yl)but-2-en-1-yl)-2-(1-ethyl-3-methyl-1H-pyrazole-5-carboxamido)-7-(3-morpholinopropoxy)-1H-benzo[d]imidazole-5-carboxamide having the structure of



or a tautomer thereof,
or a salt thereof.

17. The compound or salt according to any one of claims 1 to 16, wherein the salt is a pharmaceutically acceptable salt of said compound.

18. A pharmaceutical composition comprising the compound or pharmaceutically acceptable salt thereof according to claim 17 and at least one pharmaceutically acceptable excipient.

19. The compound, or pharmaceutically acceptable salt thereof, according to claim 17 for use in therapy.

20. Use of the compound, or pharmaceutically acceptable salt thereof, according to claim 17 in the manufacture of a medicament for the treatment of a STING-mediated disease or disorder, wherein the STING-mediated disease or disorder is inflammation, an allergic or autoimmune disease, an infectious disease, cancer, or pre-cancerous syndromes.

21. The use according to claim 20, wherein the disease or disorder is cancer or precancerous syndromes.

22. The use according to claim 21, wherein the disease or disorder is cancer.

23. The use according to claim 20, wherein the disease or disorder is infectious disease.

24. The use according to claim 23, wherein the disease or disorder is selected from Influenza, HIV, HCV, HPV or HBV infection.

25. The compound, or pharmaceutically acceptable salt thereof, according to claim 17 for use as a vaccine adjuvant.

26. Use of the compound or pharmaceutically acceptable salt thereof according to claim 17 in the manufacture of a vaccine composition comprising an antigen or antigenic composition, for the

treatment of disease, wherein the disease is an infectious disease selected from Influenza, HIV, HCV, HPV or HBV infection.