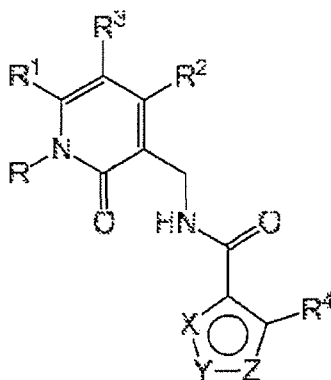


CLAIMS

1. A compound according to Formula (I):



5

(I)

wherein:

X is S and Y is CR⁶; or

Y is S and X is CR⁶;

10 Z is CR⁵;

R is hydrogen or (C₁-C₄)alkyl;

R₁, R₂, and R₃ are each independently selected from the group consisting of
hydrogen, (C₁-C₄)alkoxy, (C₁-C₈)alkyl, (C₁-C₄)alkoxy(C₁-C₄)alkyl-, halo(C₁-C₄)alkyl,
(C₃-C₈)cycloalkyl, hydroxy(C₁-C₄)alkyl, (C₃-C₈)cycloalkyl(C₁-C₄)alkyl-,
15 RaO(O)CNH(C₁-C₄)alkyl-, (C₆-C₁₀)bicycloalkyl, heterocycloalkyl,
heterocycloalkyl(C₁-C₄)alkyl-, aryl, aryl(C₁-C₄)alkyl, heteroaryl, heteroaryl(C₁-C₄)alkyl,
halogen,
cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂
NRaRb,
20 nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂
NRaRb, -NRaNRaRb, -NRaNRaC(O)Rb, -NRaNRaC(O)NRaRb, -NRaNRaC(O)ORa, -OR
a, -OC(O)Ra, and -OC(O)NRaRb, wherein each (C₃-C₈)cycloalkyl, (C₆-C₁₀)bicycloalkyl,
heterocycloalkyl, aryl, or heteroaryl is optionally substituted 1, 2, or 3 times,
independently, by hydroxyl, halogen, nitro, (C₁-C₄)alkyl, cyano, (C₁-C₄)alkoxy, -NRaRb
25 or -CO₂Ra;

R4 is selected from the group consisting of hydrogen, (C1-C3)alkoxy, (C1-C3)alkyl, hydroxyl, halogen, cyano, (C3-C6)cycloalkyl, heterocycloalkyl, -NRaRb, halo(C1-C3)alkyl, and hydroxy(C1-C3)alkyl;

- R5 is selected from the group consisting of (C4-C8)alkyl, (C2-C8)alkenyl,
- 5 (C3-C8)alkoxy, (C4-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C2)alkyl-, (C3-C8)cycloalkyloxy-, heterocycloalkyl, heterocycloalkyl(C1-C2)alkyl-, heterocycloalkyloxy-, heteroaryl, and -NRaRb, wherein said (C4-C8)alkyl, (C2-C8)alkenyl, (C3-C8)alkoxy, (C4-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C2)alkyl-, (C3-C8)cycloalkyloxy-, heterocycloalkyl, heterocycloalkyl(C1-C2)alkyl-,
- 10 heterocycloalkyloxy-, or heteroaryl is optionally substituted 1, 2, or 3 times, independently, by halogen, -ORa, -NRaRb, -NHCO2Ra, nitro, (C1-C3)alkyl, RaRbN(C1-C3)alkyl-, RaO(C1-C3)alkyl-, (C3-C8)cycloalkyl, cyano, -CO2Ra, -C(O)NRaRb, -SO2NRaRb, heterocycloalkyl, aryl, or heteroaryl, wherein said (C3-C8)cycloalkyl, heterocycloalkyl, aryl, or heteroaryl is optionally substituted 1 or
- 15 2 times, independently, by halogen, (C1-C4)alkyl, halo(C1-C4)alkyl, -CO(C1-C4)alkyl, -CO2(C1-C4)alkyl, -NRaRb, -NHCO2Ra, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-; or any 2 optional substituents on said (C2-C8)alkenyl taken together with the carbon atom(s) to which they are attached represent a 5-8 membered ring, optionally containing a heteroatom selected from oxygen,
- 20 nitrogen, and sulfur, wherein said ring is optionally substituted 1 or 2 times, independently, by (C1-C4)alkyl, halo(C1-C4)alkyl, -CO(C1-C4)alkyl, -CO2(C1-C4)alkyl, -NRaRb, -NHCO2Ra, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-;

- R6 is selected from the group consisting of hydrogen, halogen, (C1-C8)alkyl,
- 25 (C1-C4)alkoxy, -B(OH)2, (C3-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C4)alkyl-, (C6-C10)bicycloalkyl, heterocycloalkyl, heterocycloalkyl(C1-C4)alkyl-, aryl, aryl(C1-C4)alkyl, heteroaryl, heteroaryl(C1-C4)alkyl, cyano, -C(O)Ra, -CO2Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SRa, -S(O)Ra, -SO2Ra, -SO2NRaRb, nitro, -NRaRb, RaRbN(C1-C4)alkyl-
- 30 , -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO2Rb, -NRaSO2NRaRb, -NRaNRaRb, -NRaNRaC(O)Rb, -NRaNRaC(O)NRaRb, -NRaNRaC(O)ORa, -ORa, -OC(O)Ra, and -OC(O)NRaRb, wherein each cycloalkyl, bicycloalkyl, heterocycloalkyl, aryl, or

heteroaryl group is optionally substituted 1, 2, or 3 times, independently, by
 Rc-(C1-C6)alkyl-O-, Rc-(C1-C6)alkyl-S-, Rc-(C1-C6)alkyl-,
 (C1-C4)alkyl-heterocycloalkyl-, halogen, (C1-C6)alkyl, (C3-C8)cycloalkyl,
 halo(C1-C6)alkyl,

5 cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂NRaRb,
 nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂
 NRaRb, -ORa, -OC(O)Ra, -OC(O)NRaRb, heterocycloalkyl, aryl, heteroaryl,
 aryl(C1-C4)alkyl, or heteroaryl(C1-C4)alkyl;

R7 is selected from the group consisting of hydrogen, (C1-C8)alkyl,
 10 (C3-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C4)alkyl-, (C6-C10)bicycloalkyl,
 heterocycloalkyl, heterocycloalkyl(C1-C4)alkyl-, aryl, aryl(C1-C4)alkyl, heteroaryl,
 heteroaryl(C1-C4)alkyl, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SO₂Ra, -S
 O₂NRaRb, and RaRbN(C1-C4)alkyl-, wherein each cycloalkyl, bicycloalkyl,
 heterocycloalkyl, aryl, or heteroaryl group is optionally substituted 1, 2, or 3 times,

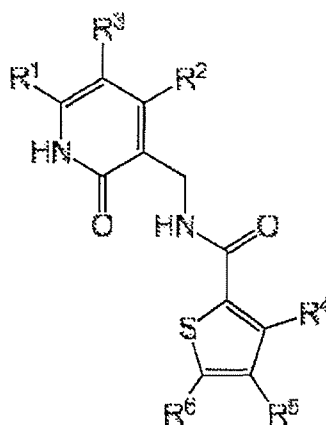
15 independently, by Rc-(C1-C6)alkyl-O-, Rc-(C1-C6)alkyl-S-, Rc-(C1-C6)alkyl-,
 (C1-C4)alkyl-heterocycloalkyl-, halogen, (C1-C6)alkyl, (C3-C8)cycloalkyl,
 halo(C1-C6)alkyl,
 cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂NRaRb,
 nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂
 20 NRaRb, -ORa, -OC(O)Ra, -OC(O)NRaRb, heterocycloalkyl, aryl, heteroaryl,
 aryl(C1-C4)alkyl, or heteroaryl(C1-C4)alkyl;

each Rc is independently -S(O)Ra, -SO₂Ra, -NRaRb, -NRaC(O)ORa, -NRaSO₂Rb,
 or -CO₂Ra; and

Ra and Rb are each independently hydrogen, (C1-C4)alkyl,
 25 (C1-C4)alkoxy(C1-C4)alkyl-, (C3-C10)cycloalkyl, heterocycloalkyl, aryl,
 aryl(C1-C4)alkyl-, heteroaryl(C1-C4)alkyl-, or heteroaryl, wherein any said cycloalkyl,
 heterocycloalkyl, aryl, or heteroaryl group is optionally substituted 1, 2, or 3 times,
 independently, by halogen, hydroxyl, (C1-C4)alkoxy,
 amino, -NH(C1-C4)alkyl, -N((C1-C4)alkyl)₂, (C1-C4)alkyl,
 30 halo(C1-C4)alkyl, -CO₂H, -CO₂(C1-C4)alkyl, -CONH₂, -CONH(C1-C4)alkyl, -CON((C1
 -C4)alkyl)₂, -SO₂(C1-C4)alkyl, -SO₂NH₂, -SO₂NH(C1-C4)alkyl,
 or -SO₂N((C1-C4)alkyl)₂;

- or Ra and Rb taken together with the nitrogen to which they are attached represent a 5-8 membered saturated or unsaturated ring, optionally containing an additional heteroatom selected from oxygen, nitrogen, and sulfur, wherein said ring is optionally substituted 1, 2, or 3 times, independently, by (C1-C4)alkyl, halo(C1-C4)alkyl, amino, -NH(C1-C4)alkyl, -N((C1-C4)alkyl)₂, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-, wherein said ring is optionally fused to a (C3-C8)cycloalkyl, heterocycloalkyl, aryl, or heteroaryl ring;
- or Ra and Rb taken together with the nitrogen to which they are attached represent a 6- to 10-membered bridged bicyclic ring system optionally fused to a (C3-C8)cycloalkyl, heterocycloalkyl, aryl, or heteroaryl ring;
- or a pharmaceutically acceptable salt thereof.

2. The compound according to claim 1 represented by Formula (II)(a):



(II)(a)

wherein:

- R¹, R², and R³ are each independently selected from the group consisting of hydrogen, (C1-C4)alkoxy, (C1-C8)alkyl, (C1-C4)alkoxy(C1-C4)alkyl-, halo(C1-C4)alkyl, (C3-C8)cycloalkyl, hydroxy(C1-C4)alkyl, (C3-C8)cycloalkyl(C1-C4)alkyl-, RaO(O)CNH(C1-C4)alkyl-, (C6-C10)bicycloalkyl, heterocycloalkyl, heterocycloalkyl(C1-C4)alkyl-, aryl, aryl(C1-C4)alkyl, heteroaryl, heteroaryl(C1-C4)alkyl, halogen, cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂NRaRb,

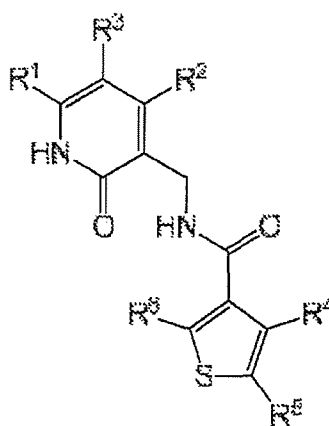
- nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂NRaRb, -NRaNRaRb, -NRaNRaC(O)Rb, -NRaNRaC(O)NRaRb, -NRaNRaC(O)ORa, -ORa, -OC(O)Ra, and -OC(O)NRaRb, wherein each (C3-C8)cycloalkyl, (C6-C10)bicycloalkyl, heterocycloalkyl, aryl, or heteroaryl is optionally substituted 1, 2, or 3 times.
- 5 independently, by hydroxyl, halogen, nitro, (C1-C4)alkyl, cyano, (C1-C4)alkoxy, -NRaRb or -CO₂Ra;
- R4 is selected from the group consisting of hydrogen, (C1-C3)alkoxy, (C1-C3)alkyl, hydroxyl, halogen, cyano, (C3-C6)cycloalkyl, heterocycloalkyl, -NRaRb, halo(C1-C3)alkyl, and hydroxy(C1-C3)alkyl;
- 10 R5 is selected from the group consisting of (C4-C8)alkyl, (C2-C8)alkenyl, (C3-C8)alkoxy, (C4-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C2)alkyl-, (C3-C8)cycloalkyloxy-, heterocycloalkyl, heterocycloalkyl(C1-C2)alkyl-, heterocycloalkyloxy-, heteroaryl, and -NRaRb, wherein said (C4-C8)alkyl, (C2-C8)alkenyl, (C3-C8)alkoxy, (C4-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C2)alkyl-,
- 15 (C3-C8)cycloalkyloxy-, heterocycloalkyl, heterocycloalkyl(C1-C2)alkyl-, heterocycloalkyloxy-, or heteroaryl is optionally substituted 1, 2, or 3 times, independently, by halogen, -ORa, -NRaRb, -NHCO₂Ra, nitro, (C1-C3)alkyl, RaRbN(C1-C3)alkyl-, RaO(C1-C3)alkyl-, (C3-C8)cycloalkyl, cyano, -CO₂Ra, -C(O)NRaRb, -SO₂NRaRb, heterocycloalkyl, aryl, or heteroaryl, wherein
- 20 said (C3-C8)cycloalkyl, heterocycloalkyl, aryl, or heteroaryl is optionally substituted 1 or 2 times, independently, by halogen, (C1-C4)alkyl, halo(C1-C4)alkyl, -CO(C1-C4)alkyl, -CO₂(C1-C4)alkyl, -NRaRb, -NHCO₂Ra, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-; or any 2 optional substituents on said (C2-C8)alkenyl taken together with the carbon atom(s) to which they are attached
- 25 represent a 5-8 membered ring, optionally containing a heteroatom selected from oxygen, nitrogen, and sulfur, wherein said ring is optionally substituted 1 or 2 times, independently, by (C1-C4)alkyl, halo(C1-C4)alkyl, -CO(C1-C4)alkyl, -CO₂(C1-C4)alkyl, -NRaRb, -NHCO₂Ra, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-;
- 30 R6 is selected from the group consisting of hydrogen, halogen, (C1-C8)alkyl, (C1-C4)alkoxy, -B(OH)₂, (C3-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C4)alkyl-, (C6-C10)bicycloalkyl, heterocycloalkyl, heterocycloalkyl(C1-C4)alkyl-, aryl,

- aryl(C1-C4)alkyl, heteroaryl, heteroaryl(C1-C4)alkyl,
 cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂
 NRaRb, nitro, -NRaRb, RaRbN(C1-C4)alkyl-
 , -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂NRaRb, -NRa
 5 NRaRb, -NRaNRaC(O)Rb, -NRaNRaC(O)NRaRb, -NRaNRaC(O)ORa, -ORa, -OC(O)Ra,
 and -OC(O)NRaRb, wherein each cycloalkyl, bicycloalkyl, heterocycloalkyl, aryl, or
 heteroaryl group is optionally substituted 1, 2, or 3 times, independently, by
 Rc-(C1-C6)alkyl-O-, Rc-(C1-C6)alkyl-S-, Rc-(C1-C6)alkyl-,
 (C1-C4)alkyl-heterocycloalkyl-, halogen, (C1-C6)alkyl, (C3-C8)cycloalkyl,
 10 halo(C1-C6)alkyl,
 cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂NRaRb,
 nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂
 NRaRb, -ORa, -OC(O)Ra, -OC(O)NRaRb, heterocycloalkyl, aryl, heteroaryl,
 aryl(C1-C4)alkyl, or heteroaryl(C1-C4)alkyl;
 15 each Rc is independently -S(O)Ra, -SO₂Ra, -NRaRb, -NRaC(O)ORa, -NRaSO₂Rb,
 or -CO₂Ra; and
 Ra and Rb are each independently hydrogen, (C1-C4)alkyl,
 (C1-C4)alkoxy(C1-C4)alkyl-, (C3-C10)cycloalkyl, heterocycloalkyl, aryl,
 aryl(C1-C4)alkyl-, heteroaryl(C1-C4)alkyl-, or heteroaryl, wherein any said cycloalkyl,
 20 heterocycloalkyl, aryl, or heteroaryl group is optionally substituted 1, 2, or 3 times,
 independently, by halogen, hydroxyl, (C1-C4)alkoxy,
 amino, -NH(C1-C4)alkyl, -N((C1-C4)alkyl)₂, (C1-C4)alkyl,
 halo(C1-C4)alkyl, -CO₂H, -CO₂(C1-C4)alkyl, -CONH₂, -CONH(C1-C4)alkyl, -CON((C1-
 -C4)alkyl)₂, -SO₂(C1-C4)alkyl, -SO₂NH₂, -SO₂NH(C1-C4)alkyl,
 25 or -SO₂N((C1-C4)alkyl)₂;
 or Ra and Rb taken together with the nitrogen to which they are attached represent
 a 5-8 membered saturated or unsaturated ring, optionally containing an additional
 heteroatom selected from oxygen, nitrogen, and sulfur, wherein said ring is optionally
 substituted 1, 2, or 3 times, independently, by (C1-C4)alkyl, halo(C1-C4)alkyl,
 30 amino, -NH(C1-C4)alkyl, -N((C1-C4)alkyl)₂, hydroxyl, oxo, (C1-C4)alkoxy, or
 (C1-C4)alkoxy(C1-C4)alkyl-, wherein said ring is optionally fused to a (C3-C8)cycloalkyl,
 heterocycloalkyl, aryl, or heteroaryl ring;

or Ra and Rb taken together with the nitrogen to which they are attached represent a 6- to 10-membered bridged bicyclic ring system optionally fused to a (C3-C8)cycloalkyl, heterocycloalkyl, aryl, or heteroaryl ring;
or a pharmaceutically acceptable salt thereof.

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3. The compound according to claim 1 represented by Formula (III)(a):



(III)(a)

wherein:

10 R₁, R₂, and R₃ are each independently selected from the group consisting of hydrogen, (C1-C4)alkoxy, (C1-C8)alkyl, (C1-C4)alkoxy(C1-C4)alkyl-, halo(C1-C4)alkyl, (C3-C8)cycloalkyl, hydroxy(C1-C4)alkyl, (C3-C8)cycloalkyl(C1-C4)alkyl-, RaO(O)CNH(C1-C4)alkyl-, (C6-C10)bicycloalkyl, heterocycloalkyl, heterocycloalkyl(C1-C4)alkyl-, aryl, aryl(C1-C4)alkyl, heteroaryl, heteroaryl(C1-C4)alkyl,
15 halogen, cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂NRaRb, nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂NRaRb, -NRaNRaRb, -NRaNRaC(O)Rb, -NRaNRaC(O)NRaRb, -NRaNRaC(O)ORa, -OR
20 a, -OC(O)Ra, and -OC(O)NRaRb, wherein each (C3-C8)cycloalkyl, (C6-C10)bicycloalkyl, heterocycloalkyl, aryl, or heteroaryl is optionally substituted 1, 2, or 3 times, independently, by hydroxyl, halogen, nitro, (C1-C4)alkyl, cyano, (C1-C4)alkoxy, -NRaRb or -CO₂Ra;

R₄ is selected from the group consisting of hydrogen, (C1-C3)alkoxy,

(C1-C3)alkyl, hydroxyl, halogen, cyano, (C3-C6)cycloalkyl, heterocycloalkyl, -NRaRb, halo(C1-C3)alkyl, and hydroxy(C1-C3)alkyl;

- R5 is selected from the group consisting of (C4-C8)alkyl, (C2-C8)alkenyl, (C3-C8)alkoxy, (C4-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C2)alkyl-,
- 5 (C3-C8)cycloalkyloxy-, heterocycloalkyl, heterocycloalkyl(C1-C2)alkyl-, heterocycloalkyloxy-, heteroaryl, and -NRaRb, wherein said (C4-C8)alkyl, (C2-C8)alkenyl, (C3-C8)alkoxy, (C4-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C2)alkyl-, (C3-C8)cycloalkyloxy-, heterocycloalkyl, heterocycloalkyl(C1-C2)alkyl-, heterocycloalkyloxy-, or heteroaryl is optionally substituted 1, 2, or 3 times,
- 10 independently, by halogen, -ORa, -NRaRb, -NHCO2Ra, nitro, (C1-C3)alkyl, RaRbN(C1-C3)alkyl-, RaO(C1-C3)alkyl-, (C3-C8)cycloalkyl, cyano, -CO2Ra, -C(O)NRaRb, -SO2NRaRb, heterocycloalkyl, aryl, or heteroaryl, wherein said (C3-C8)cycloalkyl, heterocycloalkyl, aryl, or heteroaryl is optionally substituted 1 or 2 times, independently, by halogen, (C1-C4)alkyl, halo(C1-C4)alkyl, -
- 15 CO(C1-C4)alkyl, -CO2(C1-C4)alkyl, -NRaRb, -NHCO2Ra, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-; or any 2 optional substituents on said (C2-C8)alkenyl taken together with the carbon atom(s) to which they are attached represent a 5-8 membered ring, optionally containing a heteroatom selected from oxygen, nitrogen, and sulfur, wherein said ring is optionally substituted 1 or 2 times, independently,
- 20 by (C1-C4)alkyl, halo(C1-C4)alkyl, -CO(C1-C4)alkyl, -CO2(C1-C4)alkyl, -NRaRb, -NHCO2Ra, hydroxyl, oxo, (C1-C4)alkoxy, or (C1-C4)alkoxy(C1-C4)alkyl-;

- R6 is selected from the group consisting of hydrogen, halogen, (C1-C8)alkyl, (C1-C4)alkoxy, -B(OH)2, (C3-C8)cycloalkyl, (C3-C8)cycloalkyl(C1-C4)alkyl-,
- 25 (C6-C10)bicycloalkyl, heterocycloalkyl, heterocycloalkyl(C1-C4)alkyl-, aryl, aryl(C1-C4)alkyl, heteroaryl, heteroaryl(C1-C4)alkyl, cyano, -C(O)Ra, -CO2Ra, -C(O)NRaRb, -C(O)NRaNRaRb, -SRa, -S(O)Ra, -SO2Ra, -SO2NRaRb, nitro, -NRaRb, RaRbN(C1-C4)alkyl-,
- , -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO2Rb, -NRaSO2NRaRb, -NRaNRaRb, -NRaNRaC(O)Rb, -NRaNRaC(O)NRaRb, -NRaNRaC(O)ORa, -ORa, -OC(O)Ra, and -OC(O)NRaRb, wherein each cycloalkyl, bicycloalkyl, heterocycloalkyl, aryl, or heteroaryl group is optionally substituted 1, 2, or 3 times, independently, by
- 30

- Rc-(C1-C6)alkyl-O-, Rc-(C1-C6)alkyl-S-, Rc-(C1-C6)alkyl-,
 (C1-C4)alkyl-heterocycloalkyl-, halogen, (C1-C6)alkyl, (C3-C8)cycloalkyl,
 halo(C1-C6)alkyl,
 cyano, -C(O)Ra, -CO₂Ra, -C(O)NRaRb, -SRa, -S(O)Ra, -SO₂Ra, -SO₂NRaRb,
 5 nitro, -NRaRb, -NRaC(O)Rb, -NRaC(O)NRaRb, -NRaC(O)ORa, -NRaSO₂Rb, -NRaSO₂
 NRaRb, -ORa, -OC(O)Ra, -OC(O)NRaRb, heterocycloalkyl, aryl, heteroaryl,
 aryl(C1-C4)alkyl, or heteroaryl(C1-C4)alkyl;
 each Rc is independently -S(O)Ra, -SO₂Ra, -NRaRb, -NRaC(O)ORa, -NRaSO₂Rb,
 or -CO₂Ra; and
- 10 Ra and Rb are each independently hydrogen, (C1-C4)alkyl,
 (C1-C4)alkoxy(C1-C4)alkyl-, (C3-C10)cycloalkyl, heterocycloalkyl, aryl,
 aryl(C1-C4)alkyl-, heteroaryl(C1-C4)alkyl-, or heteroaryl, wherein any said cycloalkyl,
 heterocycloalkyl, aryl, or heteroaryl group is optionally substituted 1, 2, or 3 times,
 independently, by halogen, hydroxyl, (C1-C4)alkoxy,
 15 amino, -NH(C1-C4)alkyl, -N((C1-C4)alkyl)₂, (C1-C4)alkyl,
 halo(C1-C4)alkyl, -CO₂H, -CO₂(C1-C4)alkyl, -CONH₂, -CONH(C1-C4)alkyl, -CON((C1-
 -C4)alkyl)₂, -SO₂(C1-C4)alkyl, -SO₂NH₂, -SO₂NH(C1-C4)alkyl,
 or -SO₂N((C1-C4)alkyl)₂;
 or Ra and Rb taken together with the nitrogen to which they are attached represent
 20 a 5-8 membered saturated or unsaturated ring, optionally containing an additional
 heteroatom selected from oxygen, nitrogen, and sulfur, wherein said ring is optionally
 substituted 1, 2, or 3 times, independently, by (C1-C4)alkyl, halo(C1-C4)alkyl,
 amino, -NH(C1-C4)alkyl, -N((C1-C4)alkyl)₂, hydroxyl, oxo, (C1-C4)alkoxy, or
 (C1-C4)alkoxy(C1-C4)alkyl-, wherein said ring is optionally fused to a (C3-C8)cycloalkyl,
 25 heterocycloalkyl, aryl, or heteroaryl ring;
 or Ra and Rb taken together with the nitrogen to which they are attached represent
 a 6- to 10-membered bridged bicyclic ring system optionally fused to a (C3-C8)cycloalkyl,
 heterocycloalkyl, aryl, or heteroaryl ring;
 or a pharmaceutically acceptable salt thereof.
- 30
4. The compound according to any one of claims 1-3, wherein R¹, R², and R³ are each
 independently selected from the group consisting of hydrogen, (C₁-C₄)alkoxy, (C₁-C₄)alkyl,

(C₁-C₄)alkoxy(C₁-C₄)alkyl-, halo(C₁-C₄)alkyl, and hydroxy(C₁-C₄)alkyl, or a pharmaceutically acceptable salt thereof.

5 5. The compound according to any one of claims 1-4, wherein R¹ and R² are each independently (C₁-C₄)alkyl, or a pharmaceutically acceptable salt thereof.

6. The compound according to claim 5, wherein R¹ and R² are each methyl, or a pharmaceutically acceptable salt thereof.

10 7. The compound according to any one of claims 1-6, wherein R³ is hydrogen, or a pharmaceutically acceptable salt thereof.

8. The compound according to any one of claims 1-7, wherein R⁴ is selected from the group consisting of hydrogen, (C₁-C₃)alkyl, hydroxyl, halogen, halo(C₁-C₃)alkyl, and
15 hydroxy(C₁-C₃)alkyl, or a pharmaceutically acceptable salt thereof.

9. The compound according to claim 8, wherein R⁴ is selected from the group consisting of (C₁-C₃)alkyl and halogen, or a pharmaceutically acceptable salt thereof.

20 10. The compound according to any one of claims 1-9, wherein R⁵ is selected from the group consisting of (C₃-C₆)alkoxy, (C₃-C₆)cycloalkyloxy-, heterocycloalkyloxy-, heterocycloalkyl, -NH((C₃-C₆)cycloalkyl), -N((C₁-C₃)alkyl)((C₃-C₆)cycloalkyl), -NH(heterocycloalkyl), and -N((C₁-C₃)alkyl)(heterocycloalkyl), wherein any said (C₃-C₆)alkoxy, (C₃-C₆)cycloalkyloxy-, heterocycloalkyloxy-, heterocycloalkyl, or (C₃-C₆)cycloalkyl is
25 optionally substituted 1 or 2 times, independently, by halogen, hydroxyl, (C₁-C₃)alkoxy, amino, -NH(C₁-C₃)alkyl, -N((C₁-C₃)alkyl)₂, (C₁-C₃)alkyl, (C₁-C₃)alkoxy(C₁-C₃)alkyl-, amino(C₁-C₃)alkyl-, ((C₁-C₃)alkyl)NH(C₁-C₃)alkyl-, ((C₁-C₃)alkyl)₂N(C₁-C₃)alkyl-, (C₃-C₈)cycloalkyl, cyano, -CO₂R^a, -C(O)NR^aR^b, -SO₂NR^aR^b, phenyl, or heteroaryl, or a pharmaceutically acceptable salt thereof.

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11. The compound according to any one of claims 1-9, wherein R⁵ is (C₃-C₈)cycloalkyl(C₁-C₂)alkyl- or heterocycloalkyl(C₁-C₂)alkyl-, each of which is optionally

substituted 1 or 2 times, independently, by $-NR^aR^b$, $-NHCO_2R^a$, $(C_1-C_3)alkyl$, or $R^aR^bN(C_1-C_3)alkyl-$, or a pharmaceutically acceptable salt thereof.

12. The compound according to any one of claims 1-9, wherein R^5 is $-NR^aR^b$, or a
5 pharmaceutically acceptable salt thereof.

13. The compound according to claim 12, wherein R^a is azetidiny, oxetany, pyrrolidiny, piperidiny, piperazinyl, morpholinyl, thiomorpholinyl, or tetrahydropyrany, each of which is optionally substituted 1 or 2 times, independently, by $(C_1-C_4)alkyl$, and R^b is hydrogen or
10 $(C_1-C_4)alkyl$, or a pharmaceutically acceptable salt thereof.

14. The compound according to claim 12, wherein R^a is cyclopentyl or cyclohexyl, each of which is optionally substituted by amino, $-NH(C_1-C_4)alkyl$, or $-N((C_1-C_4)alkyl)_2$, and R^b is hydrogen or $(C_1-C_4)alkyl$, or a pharmaceutically acceptable salt thereof.

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15. The compound according to any one of claims 1-9, wherein R^6 is hydrogen, halogen, $(C_1-C_4)alkyl$, or $(C_1-C_4)alkoxy$, or a pharmaceutically acceptable salt thereof.

16. The compound according to claim 15, wherein R^6 is hydrogen, fluorine, chlorine, or
20 bromine, or a pharmaceutically acceptable salt thereof.

17. The compound according to claim 1 which is:

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-isopropoxy-3-methylthiophene-2-carboxamide;

25 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-3-methylthiophene-2-carboxamide;

5-chloro-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-3-methylthiophene-2-carboxamide;

30 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-(((trans)-4-(dimethylamino)cyclohexyl)(ethylamino)-3-methylthiophene-2-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-(((cis)-4-(dimethylamino)cyclohexyl)(ethylamino)-3-methylthiophene-2-carboxamide;

- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methylthiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(((cis)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methylthiophene-3-carboxamide;
- 5 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methylthiophene-3-carboxamide;
- tert-butyl 4-((4-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-3-methylthiophen-2-yl)(ethyl)amino)piperidine-1-carboxylate;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(piperidin-4-yl)amino)-4-methylthiophene-3-carboxamide;
- 10 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-(4-(dimethylamino)piperidin-1-yl)ethyl)thiophene-3-carboxamide;
- 5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-N-((6-methyl-2-oxo-4-(trifluoromethyl)-1,2-dihydropyridin-3-yl)methyl)thiophene-3-carboxamide;
- 15 5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methyl-N-((6-methyl-2-oxo-4-propyl-1,2-dihydropyridin-3-yl)methyl)thiophene-3-carboxamide;
- 5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methyl-N-((4-methyl-2-oxo-6-(trifluoromethyl)-1,2-dihydropyridin-3-yl)methyl)thiophene-3-carboxamide;
- 5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-N-((4-methoxy-6-methyl-20 2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methylthiophene-3-carboxamide;
- 2-bromo-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methylthiophene-3-carboxamide;
- tert-butyl 4-((4-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-3-methylthiophen-2-yl)(hydroxy)methyl)piperidine-1-carboxylate;
- 25 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(hydroxy(piperidin-4-yl)methyl)-4-methylthiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-(tetrahydro-2H-pyran-4-yl)pyrrolidin-2-yl)thiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-(piperidin-30 4-yl)-1H-pyrazol-4-yl)thiophene-3-carboxamide;
- tert-butyl 3-(4-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-3-methylthiophen-2-yl)pyrrolidine-1-carboxylate;

- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(2-methylpyrrolidin-1-yl)thiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-morpholinoethyl)thiophene-3-carboxamide;
- 5 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-(4-(dimethylamino)piperidin-1-yl)ethyl)-4-methylthiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-(4-(dimethylamino)piperidin-1-yl)propyl)-4-methylthiophene-3-carboxamide;
- 10 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-morpholinopropyl)thiophene-3-carboxamide;
- 5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-N-((1,4,6-trimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)thiophene-3-carboxamide;
- 5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methyl-N-((1,4,6-trimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)thiophene-3-carboxamide;
- 15 (E)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-(piperidin-4-yl)prop-1-en-1-yl)thiophene-3-carboxamide;
- tert-butyl ((trans)-4-((E)-1-(4-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-3-methylthiophen-2-yl)prop-1-en-1-yl)cyclohexyl)carbamate ;
- 5-((E)-1-((trans)-4-aminocyclohexyl)prop-1-en-1-yl)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methylthiophene-3-carboxamide;
- 20 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-((E)-1-((trans)-4-(dimethylamino)cyclohexyl)prop-1-en-1-yl)-4-methylthiophene-3-carboxamide ;
- 5-(((trans)-4-aminocyclohexyl)(hydroxy)methyl)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methylthiophene-3-carboxamide;
- 25 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(((trans)-4-(dimethylamino)cyclohexyl)(hydroxy)methyl)-4-methylthiophene-3-carboxamide;
- tert-butyl 4-(1-(4-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-3-methylthiophen-2-yl)propyl)piperidine-1-carboxylate;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-(piperidin-4-yl)propyl)thiophene-3-carboxamide;
- 30 (S)-(-)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-(4-(dimethylamino)piperidin-1-yl)propyl)-4-methylthiophene-3-carboxamide;

- (R)-(+)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-(4-(dimethylamino)piperidin-1-yl)propyl)-4-methylthiophene-3-carboxamide;
- 5-(1-((trans)-4-aminocyclohexyl)propyl)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methylthiophene-3-carboxamide;
- 5 (-)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-((trans)-4-(dimethylamino)cyclohexyl)propyl)-4-methylthiophene-3-carboxamide;
- (+)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-((trans)-4-(dimethylamino)cyclohexyl)propyl)-4-methylthiophene-3-carboxamide;
- (+)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-((cis)-4-(dimethylamino)cyclohexyl)propyl)-4-methylthiophene-3-carboxamide;
- 10 (-)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(1-((cis)-4-(dimethylamino)cyclohexyl)propyl)-4-methylthiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-(piperidin-4-ylidene)propyl)thiophene-3-carboxamide;
- 15 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1-(piperidin-4-yl)vinyl)thiophene-3-carboxamide;
- 2-bromo-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methylthiophene-3-carboxamide;
- 2-cyano-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-4-methylthiophene-3-carboxamide;
- 20 2-bromo-5-(diethylamino)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methylthiophene-3-carboxamide;
- 2-chloro-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methylthiophene-3-carboxamide;
- 25 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-2,4-dimethylthiophene-3-carboxamide;
- 2-cyano-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methylthiophene-3-carboxamide;
- N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(4-methylpiperazin-1-yl)thiophene-3-carboxamide;
- 30 tert-butyl 3-(3-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methylthiophen-2-yl)pyrrolidine-1-

carboxylate;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(pyrrolidin-3-yl)thiophene-3-carboxamide;

tert-butyl 4-(3-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methylthiophen-2-yl)piperidine-1-carboxylate;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(piperidin-4-yl)thiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(1-methyl-1,2,3,6-tetrahydropyridin-4-yl)thiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(1-(methylsulfonyl)pyrrolidin-3-yl)thiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(1-(methylsulfonyl)piperidin-4-yl)thiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl((trans)-4-(ethyl(methyl)amino)cyclohexyl)amino)-4-methylthiophene-3-carboxamide;

ethyl 4-(((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)carbamoyl)-3-methylthiophen-2-yl(ethyl)carbamate;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(1-isopropylpiperidin-4-yl)amino)-4-methylthiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(3-fluoropiperidin-4-yl)amino)-4-methylthiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(2-(piperidin-4-yl)pyrrolidin-1-yl)thiophene-3-carboxamide;

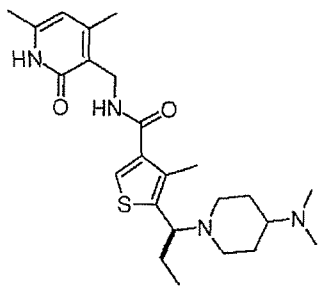
5-([2,4'-bipiperidin]-1-yl)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methylthiophene-3-carboxamide;

N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(1,2,3,4-tetrahydroisoquinolin-5-yl)thiophene-3-carboxamide;

(Z)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(5-

- morpholinopent-2-en-3-yl)thiophene-3-carboxamide;
 (Z)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(6-(4-methylpiperazin-1-yl)hex-2-en-3-yl)thiophene-3-carboxamide;
 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-methyl-5-(6-(4-methylpiperazin-1-yl)hexan-3-yl)thiophene-3-carboxamide;
 5 (Z)-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(6-(4-(dimethylamino)piperidin-1-yl)hex-2-en-3-yl)-4-methylthiophene-3-carboxamide;
 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-2-(furan-3-yl)-4-methylthiophene-3-carboxamide;
 10 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-2-(furan-2-yl)-4-methylthiophene-3-carboxamide;
 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(((trans)-4-(dimethylamino)cyclohexyl)(ethyl)amino)-2-(furan-3-yl)-4-methylthiophene-3-carboxamide; or
 15 N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-(ethyl(tetrahydro-2H-pyran-4-yl)amino)-4-methyl-2-(1-methyl-1H-pyrazol-4-yl)thiophene-3-carboxamide;
 or a pharmaceutically acceptable salt thereof.

18. The compound according to claim 1 which is:



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or a pharmaceutically acceptable salt thereof.

19. A pharmaceutical composition comprising the compound or pharmaceutically acceptable salt thereof according to any one of claims 1-18 and a pharmaceutically acceptable
 25 excipient.