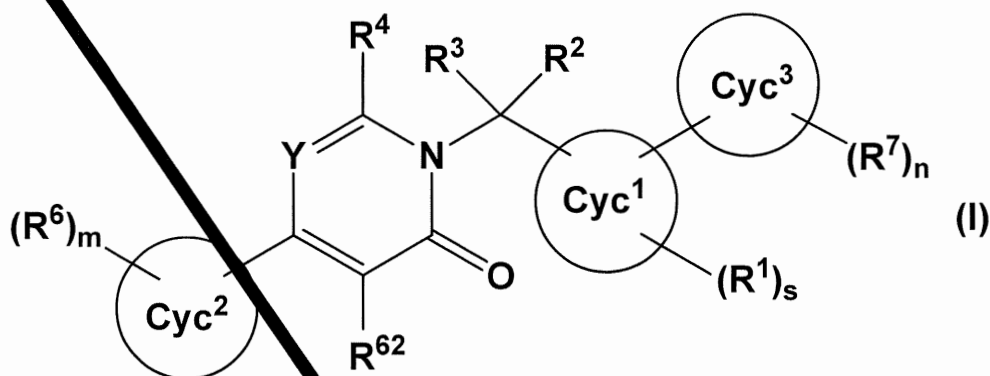


CLAIMS

1. A compound represented by formula (I):



5 wherein Cyc¹ represents C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- to 10-membered heteroaryl;

Cyc² represents C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- or 6-membered heteroaryl;

10 Cyc³ represents C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- to 10-membered heteroaryl;

R¹ represents (1) C1-8 alkyl, (2) C2-8 alkenyl, (3) C2-8 alkynyl, (4) halogen, (5) nitro, (6) cyano, (7) oxo, (8) amidino, (9) -C1-8 alkylene-OR⁸, (10) -OR⁹, (11) -COOR¹⁰, (12) -C1-4 alkylene-COOR¹¹, (13) -NHC(O)-C1-4 alkyl, (14) -C1-4 alkylene-O-C(O)-C1-8 alkyl or (15) -NHC(O)O-R¹²,

15 wherein R⁸, R⁹, R¹⁰, R¹¹ and R¹² each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

20 s represents an integer of 0 to 6,

wherein s represents an integer of 2 to 6, each R¹ may be same or different;

25 R² represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) Cyc⁴ or (6) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from halogen, nitro, trifluoromethyl, cyano, Cyc⁵, -NR¹³R¹⁴, -OR¹⁵, -SR¹⁶, -NHC(O)-Cyc⁶, -NHC(O)-C1-8 alkyl, -NHC(O)O-R¹⁷ and Cyc⁵ substituted with 1 to 3 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, cyano, oxo, amidino and -OR¹⁸,

wherein R^{13} , R^{14} , R^{15} , R^{16} , R^{17} and R^{18} each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

Cyc^4 , Cyc^5 and Cyc^6 each independently represents C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- to 10-membered heteroaryl;

R^3 represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) Cyc^7 or (6) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from halogen, nitro, trifluoromethyl, cyano, Cyc^8 , $-NR^{19}R^{20}$, $-OR^{21}$, $-SR^{22}$, $-NHC(O)-Cyc^9$, $-NHC(O)-C1-8$ alkyl, $-NHC(O)O-R^{23}$ and Cyc^8 substituted with 1 to 3 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, cyano, oxo, amidino and $-OR^{24}$,

wherein R^{19} , R^{20} , R^{21} , R^{22} , R^{23} and R^{24} each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

Cyc^7 , Cyc^8 and Cyc^9 each independently represents C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- to 10-membered heteroaryl;

Y represents N or C(R^5);

R^4 and R^5 each independently represents (1) hydrogen, (2) halogen, (3) C1-4 alkyl, (4) C3-C8 cycloalkyl, (5) 5- to 10-membered heterocycloalkyl, (6) C5-C10 aryl, (7) 5- to 10-membered heteroaryl or (8) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

R^2 and R^3 may be taken together to form C2-8 alkylene; or

R^3 and R^4 may be taken together to form C2-8 alkylene; wherein one carbon of the alkylene chain may be replaced by oxygen or sulfur;

R^6 represents (1) C1-8 alkyl, (2) C2-8 alkenyl, (3) C2-8 alkynyl, (4) Cyc^{10} , (5) halogen, (6) nitro, (7) cyano, (8) oxo, (9) amidino, (10) $-OR^{25}$, (11) $-COOR^{26}$, (12) C1-4 alkylene- $COOR^{27}$, (13) $-NHC(O)-C1-4$ alkyl, (14) $-NHC(O)-H$, (15) $-NHC(O)O-R^{28}$, (16) trifluoromethyl, (17) $-NHC(NH)NH_2$, (18) $-C(O)-C1-4$ alkyl or (19) Cyc^{10}

substituted with 1 to 5 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, cyano, oxo, amidino, $-OR^{29}$, $-SR^{30}$, $-NR^{31}R^{32}$, $-NHC(O)NR^{33}R^{34}$, $-NHC(O)-C1-4$ alkylene-COOH, $-NH-S(O)-C1-4$ alkyl, $-NH-S(O)_2-C1-4$ alkyl, $-COOR^{35}$, $-NHC(O)-R^{36}$, $-NHC(O)O-R^{37}$, $-C(O)NH-R^{38}$ and $-OC(O)NH-R^{39}$,

wherein Cyc¹⁰ represents C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- to 10-membered heteroaryl;

R^{25} , R^{26} , R^{27} , R^{28} , R^{29} , R^{30} , R^{31} , R^{32} , R^{33} , R^{34} , R^{35} , R^{36} , R^{37} , R^{38} and R^{39} each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

m represents an integer of 0 to 6,

wherein m represents an integer of 2 to 6, each R^6 may be same or different;

R^7 represents (1) C1-8 alkyl, (2) C2-8 alkenyl, (3) C2-8 alkynyl, (4) halogen, (5) nitro, (6) trifluoromethyl, (7) cyano, (8) oxo, (9) amidino, (10) $-OR^{40}$, (11) $-SR^{41}$, (12) $-NR^{42}R^{43}$, (13) $-NHC(O)NR^{44}R^{45}$, (14) $-NHC(O)-C1-4$ alkylene- $-NR^{46}R^{47}$, (15) $-NHC(O)-C1-4$ alkylene-COOH, (16) $-NH-S(O)-C1-4$ alkyl, (17) $-NH-S(O)_2-C1-4$ alkyl, (18) $-COOR^{48}$, (19) $-NHC(O)-R^{49}$, (20) $-NHC(O)-C1-4$ alkylene- $-OR^{50}$, (21) $-NHC(O)O-R^{51}$, (22) $-NHC(O)O-C1-4$ alkylene- $-OR^{52}$, (23) $-C(O)NH-R^{53}$, (24) $-OC(O)NH-R^{54}$, (25) $-OC(O)-R^{55}$, (26) $-C(O)-R^{56}$, (27) $-CH(OH)-R^{57}$, (28) $-C1-4$ alkylene- $-NH_2$, (29) $-C1-4$ alkylene-OH, (30) $-C1-4$ alkylene- $-C(O)-C1-4$ alkyl, (31) $-C1-4$ alkylene- $-NHC(O)-C1-4$ alkyl, (32) $-C1-4$ alkylene- $-NHC(O)O-C1-4$ alkyl, (33) $-C1-4$ alkylene- $-NHC(O)-CF_3$, (34) $-C1-4$ alkylene- $-NHC(O)NH-C1-4$ alkyl, (35) $-CH=N-OR^{58}$, (36) $-C(O)N(C1-4$ alkyl)₂, (37) $-C(O)NH-R^{63}$, (38) $-S(O)_2-NR^{64}R^{65}$, (39) $-T-COOR^{66}$, (40) $-B(OR^{67})(OR^{68})$, (41) C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- or 6-membered heteroaryl, which are substituted with 1 to 5 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, $-COOH$, $-COO-C1-4$ alkyl, OH, oxo, and cyano, (42) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from halogen, trifluoromethyl, OH, oxo, $-O-C1-4$ alkyl, NH_2 , and cyano, (43) $-N(OH)C(O)-C1-4$ alkyl, (44) $-NHC(=N-OR^{69})-C1-4$ alkyl, (45) $-NHC(S)-C1-4$ alkyl, (46) $-C(S)-C1-4$ alkyl, (47)

-S(O)NR⁷⁰R⁷¹, (48) -C(O)NH(CO)NR⁷², (49) -NHC(O)R⁷³, (50) -NHC(O)O-C1-4 alkyl substituted with 1 to 5 groups selected from -O-C1-4 alkylene-O-C1-4 alkyl, NH₂, and OH, (51) -NHC(O)-C1-4 alkyl substituted with 1 to 5 groups selected from -O-C1-4 alkylene-O-C1-4 alkyl, NR⁷⁴R⁷⁵, oxo, OH, halogen and -O-C1-4 alkylene-O-C1-4 alkyl substituted with 1 to 2 groups selected from OH, oxo and halogen, (52) -NH-C1-8 alkyl substituted with 1 to 5 groups selected from -O-C1-4 alkyl, oxo, NR⁷⁶R⁷⁷, C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- or 6-membered heteroaryl, (53) C3-C8 cycloalkyl, (54) 5- to 10-membered heterocycloalkyl, (55) C5-C10 aryl, or (56) 5- or 6-membered heteroaryl;

wherein R⁴⁰, R⁴¹, R⁴², R⁴³, R⁴⁴, R⁴⁵, R⁴⁶, R⁴⁷, R⁴⁹, R⁵⁰, R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, R⁵⁷, R⁵⁸, R⁶⁷, R⁶⁸, R⁶⁹, R⁷⁰, R⁷¹, R⁷², R⁷³, R⁷⁴, R⁷⁵, R⁷⁶ and R⁷⁷ each independently represents (1) hydrogen, (2) trifluoromethyl, (3) C1-8 alkyl, (4) C2-8 alkenyl, (5) C2-8 alkynyl, (6) C3-C8 cycloalkyl, (7) 5- to 10-membered heterocycloalkyl, (8) C5-C10 aryl, (9) 5- to 10-membered heteroaryl or (10) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

R⁶³ represents (1) -C1-4 alkylene-O-C1-4 alkyl, (2) -O-C1-4 alkyl, (3) cyano, (4) -C1-4 alkylene-O-C1-4 alkylene-O-C1-4 alkyl or (5) -SO₂-C1-4 alkyl;

R⁶⁴ and R⁶⁵ each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (5) C2-8 alkynyl, (6) -C(O)-C1-4 alkyl or (7) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from OH, oxo, -O-C1-4 alkyl, -O-C1-4 alkylene-O-C1-4 alkyl, halogen, nitro and cyano;

T represents (1) C1-4 alkylene, (2) C2-4 alkenylene, (3) -O-C1-4 alkylene-, (4) -O-C2-4 alkenylene-, (5) -S-C1-4 alkylene-, (6) -S-C2-4 alkenylene-, (7) -NH-C1-4 alkylene-, (8) -NH-C2-4 alkenylene-, (9) -NH-C5-C10 aryl- or (10) -NH-5- to 10-membered heteroaryl-;

R⁴⁸ and R⁶⁶ each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from -NH₂, -NH-C1-4 alkyl, -N(C1-4 alkyl)₂, OH, oxo, -O-C1-4 alkyl, -O-C1-4 alkylene-O-C1-4 alkyl, halogen, nitro, cyano, C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl (6) C3-C10 cycloalkyl, (7) 5- to 10-membered heterocycloalkyl, (8) C5-C10 aryl, (9) 5- to 10-membered heteroaryl, (10) -C1-4 alkylene-C3-C8 cycloalkyl

substituted with 1 to 5 groups selected from C1-4 alkyl, oxo, OH, trifluoromethyl and halogen, (11) -C1-4 alkylene-C5-C10aryl substituted with 1 to 5 groups selected from C1-4 alkyl, OH, trifluoromethyl and halogen, (12) -C1-4 alkylene-5- to 10-membered heterocycloalkyl substituted with 1 to 5 groups selected from C1-4 alkyl, oxo, OH, trifluoromethyl and halogen, (13)-C1-4 alkylene-5- to 10-membered heteroaryl substituted with 1 to 5 groups selected from C1-4 alkyl, OH, trifluoromethyl and halogen or (14) -C1-4 alkylene-O-C1-8 alkyl substituted with 1 to 5 groups selected from OH, oxo, -O-C1-4 alkyl, -O-C1-4 alkylene-O-C1-4 alkyl, halogen, nitro, cyano, C3-C8 cycloalkyl, C5-C10aryl, 5- to 10-membered heterocycloalkyl, -O-5- to 10-membered heteroaryl, -O-C3-C8 cycloalkyl, -O-C5-C10aryl, -O-5- to 10-membered heterocycloalkyl, -O-5- to 10-membered heteroaryl, -O-C1-4 alkylene-5- to 10-membered heteroaryl, -O-C1-4 alkylene-C3-C8 cycloalkyl, -O-C1-4 alkylene-C5-C10aryl, -O-C1-4 alkylene-5- to 10-membered heterocycloalkyl and -O-C1-4 alkylene-5- to 10-membered heteroaryl;

n represents an integer of 0 to 6,

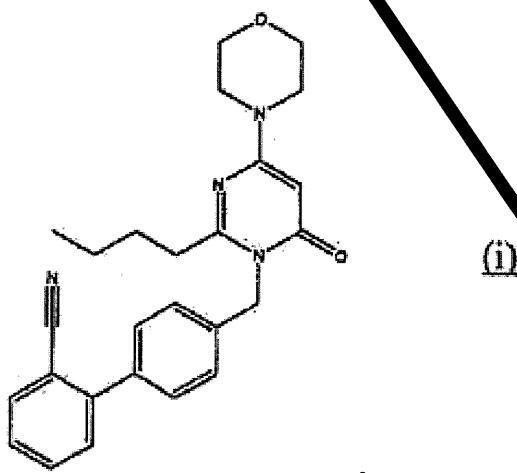
wherein n represents an integer of 2 to 6, each R⁷ may be same or different;

and

R⁶² represents hydrogen or halogen,

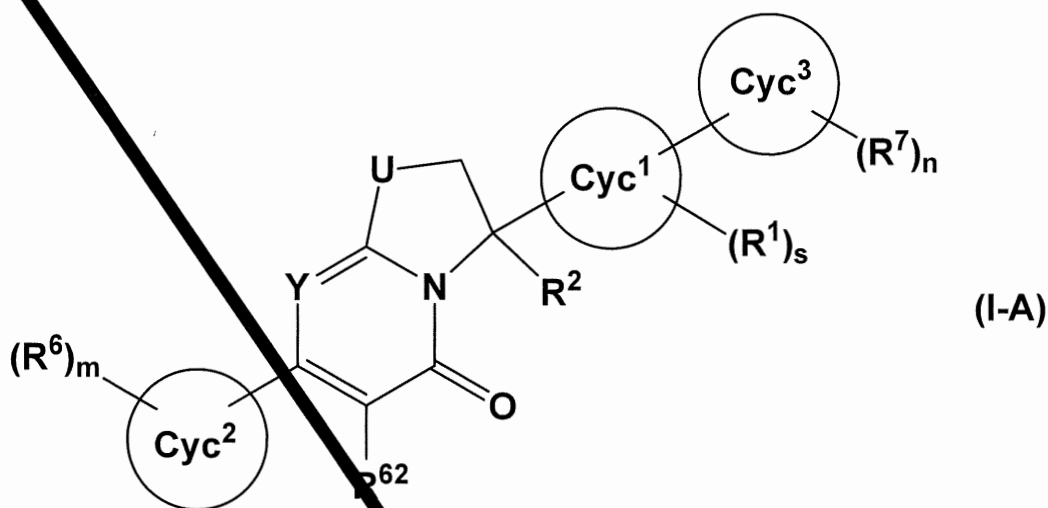
with the proviso that the compound 2-n-butyl-1,6-dihydro-4-morpholino-1-

[2'-cyanobiphenyl-4-yl)methyl]-6-oxopyrimidine represented by formula (i) is excluded



or a salt thereof.

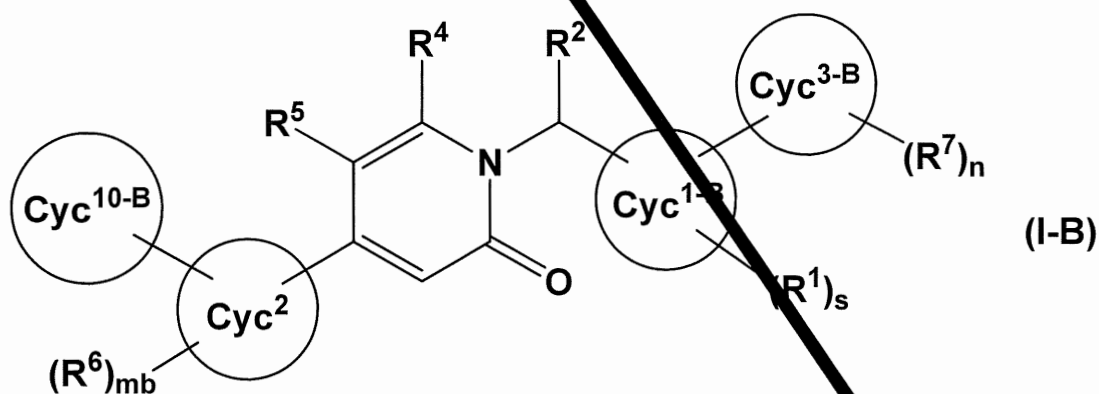
2. The compound according to claim 1, wherein the compound represented by formula (I) represents a compound represented by formula (I-A):



wherein U represents S or CH₂; and

the other symbols have the same meanings as described in claim 1.

3. The compound according to claim 1, wherein the compound represented by formula (I) represents a compound represented by formula (I-B):



wherein Cyc^{1-B} represents 5- to 10-membered heteroaryl;

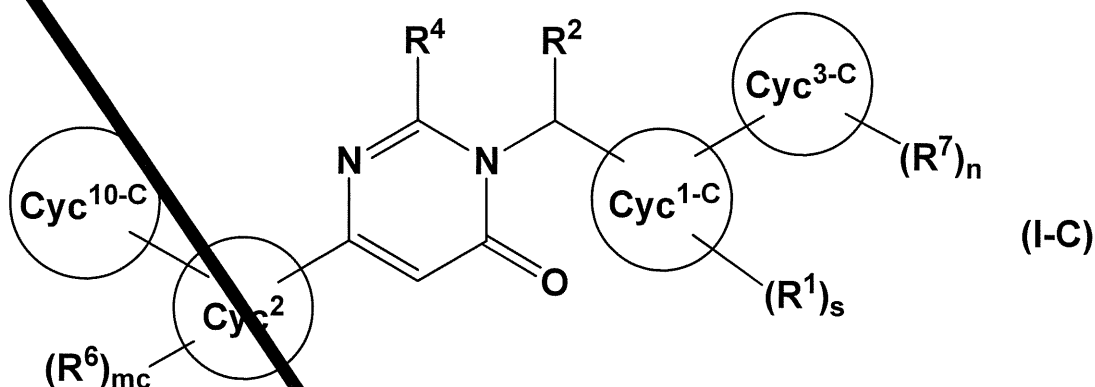
Cyc^{3-B} represents C5-C10 aryl or 5- to 10-membered heteroaryl;

Cyc^{10-B} represents (1) 5- to 10-membered heteroaryl or (2) 5- to 10-membered heteroaryl substituted with 1 to 5 groups selected from halogen, cyano, nitro, trifluoromethyl, -COOH, -COO-C1-4 alkyl and -CONH₂;

mb represents an integer of 0 to 5; and

the other symbols have the same meanings as described in claim 1.

4. The compound according to claim 1, wherein the compound represented by formula (I) represents a compound represented by formula (I-C):



wherein Cyc^{1-C} represents 5- to 10-membered heteroaryl;

Cyc^{3-C} represents C5-C10 aryl or 5- to 10-membered heteroaryl;

Cyc^{10-C} represents (1) 5- to 10-membered heteroaryl or (2) 5- to 10-membered heteroaryl substituted with 1 to 5 groups selected from halogen, cyano, nitro, trifluoromethyl, -COOH, -COO-C1-4 alkyl and -CONH₂;

mc represents an integer of 0 to 5; and

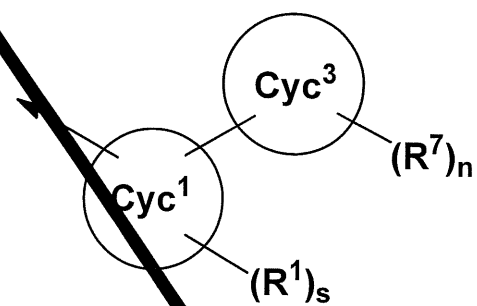
the other symbols have the same meanings as described in claim 1.

5. The compound according to claim 1 or 2, wherein Cyc¹ represents phenyl, imidazolyl, triazolyl, pyrrolyl, pyrazolyl, furanyl, oxazolyl, thiazolyl, isothiazolyl, furazanyl, oxadiazolyl, thiadiazolyl, thienyl, pyridazinyl, indazolyl or benzimidazolyl.

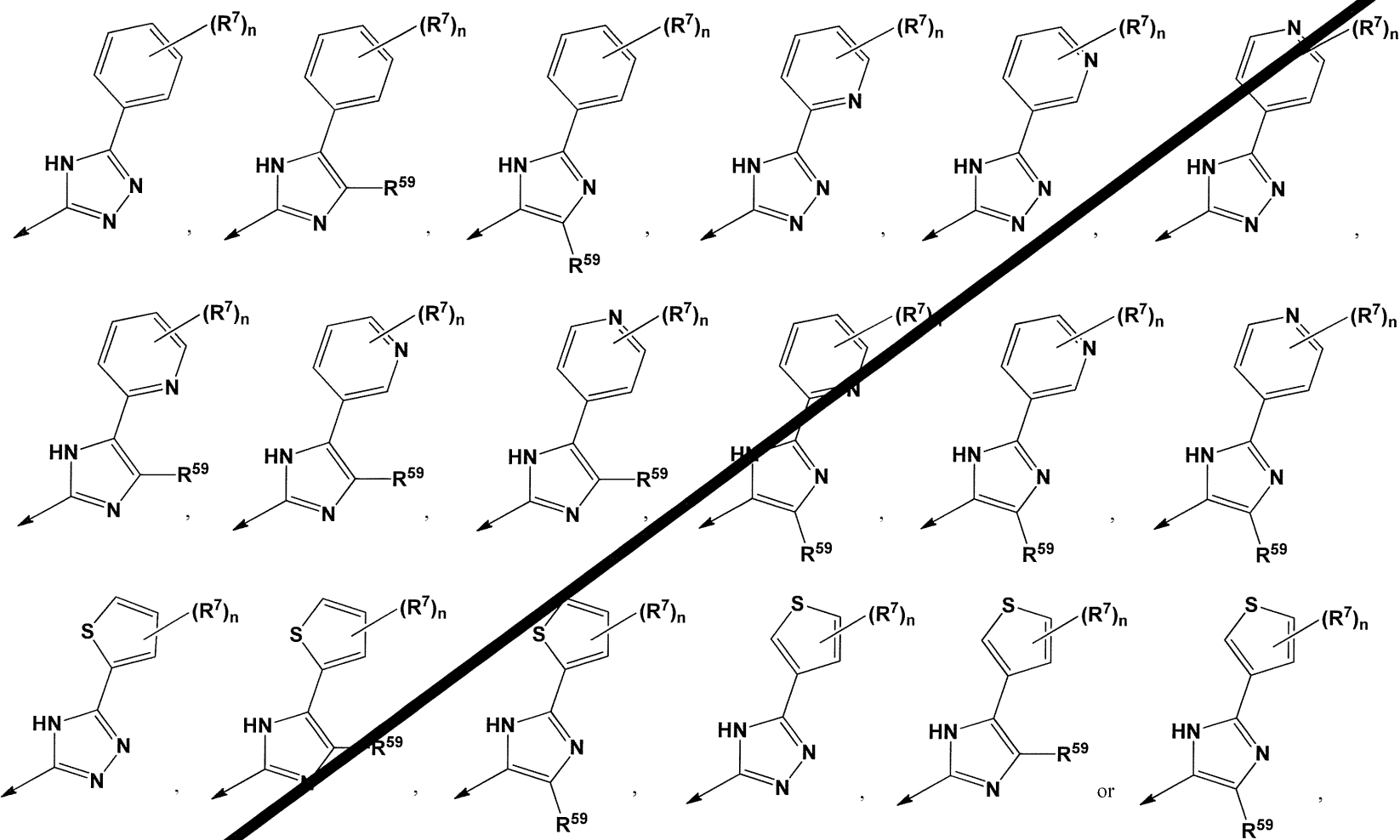
6. The compound according to claim 3, wherein Cyc^{1-B} represents imidazolyl, triazolyl, tetrazolyl, oxazolyl, pyridazinyl, indazolyl or benzimidazolyl.

7. The compound according to claim 4, wherein Cyc^{1-C} represents imidazolyl, triazolyl, tetrazolyl, oxazolyl, pyridazinyl, indazolyl or benzimidazolyl.

8. The compound according to claim 1 or claim 2, wherein



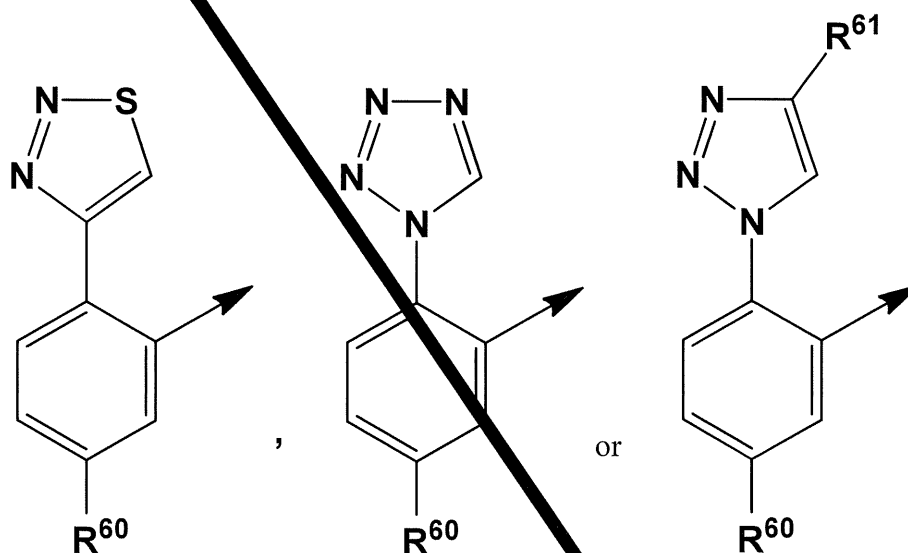
represents



wherein R^{59} represents hydrogen, C1-4 alkyl or halogen;
the arrow represents a binding position; and
the other symbols have the same meanings as described in claim 1.

9. The compound according to any one of claims 1 to 8, wherein Cyc^2 represents pyridyl or phenyl.

10. The compound according to any one of claims 1 to 9, wherein $-Cyc^2-$ (R^6)_m, $Cyc^2(-R^6)_{mb}Cyc^{10-B}$ or $Cyc^2(-R^6)_{mc}Cyc^{10-C}$ represents



wherein R^{60} represents hydrogen, methyl or halogen;

R^{61} represents (1) hydrogen, (2) halogen, (3) nitro, (4) trifluoromethyl, (5) -COOH, (6) -COO-C1-4 alkyl, (7) cyano or (8) -CONH₂; and the arrow represents a binding position.

11. The compound according to any one of claims 1 to 10, wherein R^7 represents (1) C1-8 alkyl, (2) halogen, (3) nitro, (4) trifluoromethyl, (5) cyano, (6) oxo, (7) -OR⁴⁰, (8) -NR⁴²R⁴³, (9) -NHC(O)NR⁴⁴R⁴⁵, (10) -NHC(O)-C1-4 alkylene-NR⁴⁶R⁴⁷, (11) -NHC(O)-C1-4 alkylene-COOH, (12) -NH-S(O)₂-C1-4 alkyl, (13) -COOR⁴⁸, (14) -NHC(O)-R⁴⁹, (15) -NHC(O)-C1-4 alkylene-OR⁵⁰, (16) -NHC(O)O-R⁵¹, (17) -NHC(O)O-C1-4 alkylene-OR⁵², (18) -C(O)NH-R⁵³, (19) -OC(O)-R⁵⁵, (20) -C(O)-R⁵⁶, (21) -CH(OH)-R⁵⁷, (22) -C1-4 alkylene-NH₂, (23) -C1-4 alkylene-OH, (24) -C1-4 alkylene-OC(O)-C1-4 alkyl, (25) -C1-4 alkylene-NHC(O)-C1-4

alkyl,(26) -C1-4 alkylene-NHC(O)O-C1-4 alkyl,(27) -C1-4 alkylene-NHC(O)-CF₃,(28)
 -C1-4 alkylene-NHC(O)NH-C1-4 alkyl,(29) -CH=N-OR⁵⁸ or (30)-T-COOR⁶⁶.

12. The compound according to claim 1, or claim 2, wherein is selected from
 5 the group consisting of

(1) methyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-
 1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-4-yl)phenyl]carbamate,

(2) methyl [4-(2-{7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-
 tetrahydro-3-indolizinyl}-1H-imidazol-4-yl)phenyl]carbamate,

10 (3) 4-(2-{7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-
 indolizinyl}-1H-imidazol-4-yl)benzamide,

(4) 6-(2-{7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-
 indolizinyl}-1H-imidazol-4-yl)-3,4-dihydro-2(1H)-quinolinone,

(5) methyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-
 15 tetrahydro-3-indolizinyl)-5-methyl-1H-imidazol-4-yl)phenyl]carbamate,

(6) 6-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-
 tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-3,4-dihydro-2(1H)-quinolinone,

(7) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-
 tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)benzamide,

20 (8) 3-[5-(3-amino-1H-indazol-6-yl)-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-
 tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(9) (3S)-3-[5-(6-amino-3-pyridinyl)-4-chloro-1H-imidazol-2-yl]-7-[5-chloro-
 2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(10) (3S)-3-[5-(6-amino-2-chloro-3-pyridinyl)-1H-imidazol-2-yl]-7-[5-chloro-
 25 2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(11) (3S)-3-[5-(1-amino-6-isoquinolinyl)-1H-imidazol-2-yl]-7-[5-chloro-2-
 (1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(12) 4-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-
 1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)benzamide,

30 (13) ethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-
 tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,

(14) methyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-
 1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-3-methylphenyl]carbamate,

- (15) methyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,
- (16) 2-methoxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- 5 (17) 2-methoxyethyl [4-(2-((7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (18) methyl [6-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-3-pyridinyl]carbamate,
- (19) (3S)-3-[5-(6-amino-2-fluoro-3-pyridinyl)-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,
- 10 (20) (6S)-6-[5-(6-amino-2-chloro-3-pyridinyl)-1H-imidazol-2-yl]-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-7,8-dihydropyrrolo[1,2-a]pyrimidin-4(6H)-one,
- (21) 2-methoxyethyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,
- 15 (22) (3S)-3-[5-(6-amino-3-pyridinyl)-4-chloro-1H-imidazol-2-yl]-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,
- (23) 2-methoxyethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-pyridinyl]carbamate,
- 20 (24) 2-methoxyethyl [4-(2-((3S)-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (25) 2-methoxyethyl [5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-pyridinyl]carbamate,
- 25 (26) 2-methoxyethyl [6-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-3-pyridinyl]carbamate,
- (27) 2-methoxyethyl [4-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (28) 2-methoxyethyl [4-(4-methyl-2-((3S)-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- 30 (29) 2-methoxyethyl [6-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

- (30) 2-ethoxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (31) 2-methoxyethyl [4-(2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,
- (32) 3-methoxypropyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (33) methyl [4-(2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,
- (34) 3-oxetanyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (35) 2-methoxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-methyl-1H-imidazol-5-yl)phenyl]carbamate,
- (36) methyl [4-(4-chloro-2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,
- (37) 2-methoxyethyl [4-(4-chloro-2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,
- (38) (2S)-2-methoxypropyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]carbamate,
- (39) (6S)-6-[5-(6-amino-2-fluoro-3-pyridinyl)-1H-imidazol-2-yl]-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-7,8-dihydropyrrolo[1,2-a]pyrimidin-4(6H)-one,
- (40) 2-methoxyethyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-4-methyl-1H-imidazol-5-yl)phenyl]carbamate,
- (41) 2-(2-methoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-pyridinyl]carbamate,
- (42) 2-(2-methoxyethoxy)ethyl [5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

(43) 2-(2-methoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-4-fluoro-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

5 (44) 2-(2-ethoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

(45) 2-(2-ethoxyethoxy)ethyl [5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

10 (46) 2-(2-ethoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-4-fluoro-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

(47) 2-methoxyethyl [4-(4-chloro-2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

15 (48) 2-methoxyethyl [6-(4-chloro-2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

20 (49) 2-ethoxyethyl [4-(2-((3S)-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

(50) 2-ethoxyethyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

25 (51) 2-ethoxyethyl [4-(2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

(52) tetrahydro-2-furanylmethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

30 (53) methyl [4-(5-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-2-yl)phenyl]carbamate,

(54) 3-hydroxy-3-methylbutyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

- (55) 2-(2-ethoxyethoxy)ethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,
- (56) 2-(2-methoxyethoxy)ethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,
- 5 (57) 2-fluoroethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,
- (58) 2-hydroxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,
- (59) 2-hydroxy-2-methylpropyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,
- 10 (60) (3S)-3-(4-chloro-5-{6-[(1,3-oxazol-2-ylmethyl)amino]-3-pyridinyl})-1H-imidazol-2-yl)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,
- (61) 2-methoxyethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4H-1,2,4-triazol-3-yl)phenyl]carbamate,
- 15 (62) (3S)-3-[5-(6-amino-3-pyridinyl)-4-fluoro-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,
- (63) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]acetamide,
- (64) methyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-2-yl)phenyl]carbamate,
- 20 (65) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-N-(2-methoxyethoxy)benzamide,
- (66) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-5-yl)phenyl]acetamide,
- 25 (67) 2-methoxyethyl [6-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-5-yl)-3-pyridinyl]carbamate,
- (68) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]formamide,
- 30 (69) 2-methoxyethyl [6-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-4-fluoro-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

- (70) (1E)-N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]-N'-hydroxyethanimidamide,
- (71) (6S)-6-[5-(6-amino-3-pyridinyl)-4-fluoro-1H-imidazol-2-yl]-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-7,8-dihydropyrrolo[1,2-a]pyrimidin-4(6H)-one,
- 5 (72) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)phenyl]-2-fluoroacetamide,
- (73) (3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-3-[5-(4-hydroxyphenyl)-1H-imidazol-2-yl]-2,3-dihydro-5(1H)-indolizinone,
- (74) ethyl 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- 10 (75) 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (76) ethyl 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- 15 (77) 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (78) 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxamide,
- (79) 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxamide,
- 20 (80) 2-methoxyethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-2-yl)phenyl]carbamate,
- (81) 2-(2-methoxyethoxy)ethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-2-yl)phenyl]carbamate,
- 25 (82) 2-(2-methoxyethoxy)ethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-fluoro-1H-imidazol-2-yl)phenyl]carbamate,
- (83) 2-methoxyethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-fluoro-1H-imidazol-2-yl)phenyl]carbamate,
- 30 (84) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (85) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-pyridinecarboxylic acid,

- (86) 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-fluoro-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (87) 5-(2-((3S)-8-chloro-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- 5 (88) 4-(2-((3S)-8-chloro-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (89) 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (90) 4-(2-((3S)-8-chloro-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-10 1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-pyridinecarboxylic acid,
- (91) 2-(2-methoxyethoxy)ethyl [5-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-fluoro-1H-imidazol-2-yl)-2-pyridinyl]carbamate,
- (92) 2-(4-morpholinyl)ethyl 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-15 thiophenecarboxylate,
- (93) 2-(4-morpholinyl)ethyl 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- 20 (94) 2-methoxyethyl [5-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-fluoro-1H-imidazol-2-yl)-2-pyridinyl]carbamate,
- (95) (3S)-3-[2-(6-amino-3-pyridinyl)-4-fluoro-1H-imidazol-5-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,
- 25 (96) 4-(2-((3S)-8-bromo-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (97) ethyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (98) 2-(4-morpholinyl)ethyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-1H-imidazol-5-yl)-2-30 thiophenecarboxylate,
- (99) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl)-4-fluoro-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,

- (100) isobutyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (101) 2-(dimethylamino)-2-oxoethyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (102) (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (103) [(2,2-dimethylpropanoyl)oxy]methyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (104) methyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (105) 3-methylbutyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (106) isopropyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (107) 2,3-dihydro-1H-inden-5-yl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (108) phenyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (109) 2-(dimethylamino)-2-oxoethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (110) methyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl])-1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (111) 2-(diethylamino)-2-oxoethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl])-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(112) 1-[[[(cyclohexyloxy)carbonyl]oxy]ethyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

5 (113) cyclohexyl 2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-5-{5-[(1-[(cyclohexyloxy)carbonyl]oxy)ethoxy)carbonyl]-3-thienyl}-1H-imidazole-1-carboxylate,

(114) 4-(2-[(3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl]-1H-imidazol-5-yl)-3-fluoro-2-thiophenecarboxylic acid,

10 (115) 4-(5-{7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl}-4-fluoro-1H-imidazol-2-yl)-2-thiophenecarboxylic acid,

(116) 4-(2-[(3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyl]-1H-imidazol-5-yl)-3-fluoro-2-pyridinecarboxylic acid,

15 (117) [(2,2-dimethylpropanoyl)oxy]methyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(118) [(2,2-dimethylpropanoyl)oxy]methyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1-[(2,2-dimethylpropanoyl)oxy]methyl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

20 (119) 2,3-dihydro-1H-inden-5-yl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(120) ethyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

25 (121) 2-oxo-2-(1-pyrrolidinyl)ethyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(122) 2-oxo-2-(1-piperidinyl)ethyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

30 (123) 2-(4-morpholinyl)-2-oxoethyl 4-(2-[(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(124) isobutyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(125) isopropyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(126) (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate, and

(127) 2-(4-morpholinyl)ethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate.

13. A pharmaceutical composition which comprises the compound according to any one of claims 1 to 12, or a salt thereof.

14. The pharmaceutical composition according to claim 13, which is a factor XIa inhibitor or a factor XIa and plasma kallikrein dual inhibitor.

15. The pharmaceutical composition according to claim 14, which is an agent for the treatment or prevention of a thromboembolic disease.

16. The compound according to any one of claims 1 to 12, or a salt thereof, for use in the treatment of the human or animal body by therapy.

17. The compound according to any one of claims 1 to 12, or a salt thereof, for use in treating or preventing a thromboembolic disease.

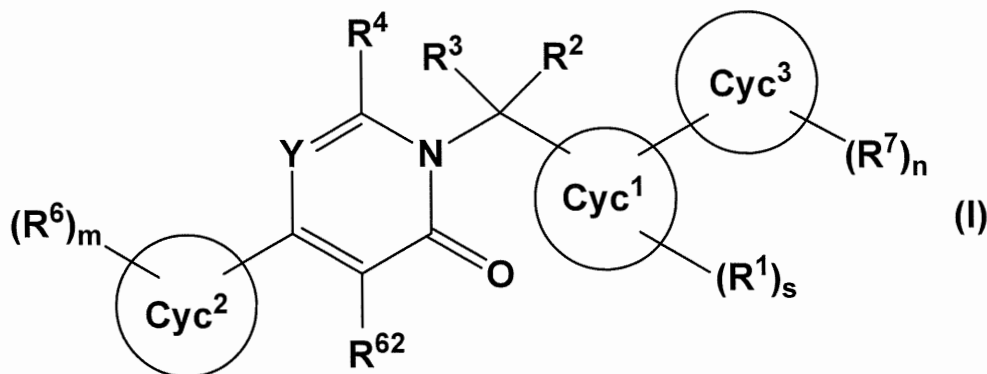
18. The compound for use according to claim 17, wherein the thromboembolic disease is selected from the group consisting of arterial cardiovascular thromboembolic disorders, venous cardiovascular thromboembolic disorders, arterial cerebrovascular thromboembolic disorders, venous cerebrovascular thromboembolic disorders and thromboembolic disorders in the chambers of the heart or in the peripheral circulation.

19. The compound for use according to claim 18, wherein the thromboembolic disease is selected from unstable angina, an acute coronary syndrome, atrial fibrillation, myocardial infarction, ischemic sudden death, transient ischemic attack, stroke, atherosclerosis, peripheral occlusive arterial disease, venous thrombosis, deep vein thrombosis, thrombophlebitis, arterial embolism, coronary arterial thrombosis, cerebral arterial thrombosis, cerebral embolism, kidney embolism, pulmonary embolism, and thrombosis resulting from medical implants, devices, or procedures in which blood is exposed to an artificial surface that promotes thrombosis.

20. Use of a compound according to any one of claims 1 to 12, or a salt thereof, in the manufacture of a medicament for use in treating or preventing a thromboembolic disease.

CLAIMS

1. A compound represented by formula (I):



wherein Cyc¹ represents 5- to 10-membered heteroaryl;

Cyc² represents C5-C6 aryl or 5- or 6-membered heteroaryl;

Cyc³ represents C5-C6 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- to 10-membered heteroaryl;

R¹ represents (1) C1-8 alkyl, (2) C2-8 alkenyl, (3) C2-8 alkynyl, (4) halogen, (6) cyano, (7) oxo, (11) -COOR¹⁰ or (12) -C1-4 alkylene -COOR¹¹, or (14) -C1-4 alkylene-O-C(O)-C1-8 alkyl,

wherein R¹⁰ and R¹¹ each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

s represents an integer of 0 to 6,

wherein s represents an integer of 2 to 6, each R¹ may be same or different;

R² represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) Cyc⁴ or (6) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to

5 groups selected from halogen, nitro, trifluoromethyl, cyano, Cyc⁵, -NR¹³R¹⁴, -OR¹⁵, -SR¹⁶, -NHC(O)-Cyc⁶, -NHC(O)-C1-8 alkyl, -NHC(O)O-R¹⁷ and Cyc⁵ substituted with 1 to 3 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, cyano, oxo, amidino and -OR¹⁸,

wherein R¹³, R¹⁴, R¹⁵, R¹⁶, R¹⁷ and R¹⁸ each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

Cyc⁴, Cyc⁵ and Cyc⁶ each independently represents C5-C10 aryl or 5- to 10-membered heteroaryl;

R³ represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) Cyc⁷ or (6) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from halogen, nitro, trifluoromethyl, cyano, Cyc⁸, -NR¹⁹R²⁰, -OR²¹, -SR²², -NHC(O)-Cyc⁹, -NHC(O)-C1-8 alkyl, -NHC(O)O-R²³ and Cyc⁸ substituted with 1 to 3 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, cyano, oxo, amidino and -OR²⁴,

wherein R¹⁹, R²⁰, R²¹, R²², R²³ and R²⁴ each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

Cyc⁷, Cyc⁸ and Cyc⁹ each independently represents C5-C10 aryl or 5- to 10-membered heteroaryl;

Y represents N or C(R⁵);

R⁴ and R⁵ each independently represents (1) hydrogen, (2) halogen, (3) C1-4 alkyl, (4) C3-C8 cycloalkyl, (5) 5- to 10-membered heterocycloalkyl, (6) C5-C10 aryl, (7) 5- to 10-membered heteroaryl or (8) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

R² and R³ may be taken together to form C2-8 alkylene; or

R³ and R⁴ may be taken together to form C2-8 alkylene; wherein one carbon of the alkylene chain may be replaced by oxygen or sulfur;

R⁶ represents (1) C1-8 alkyl, (2) C2-8 alkenyl, (3) C2-8 alkynyl, (4) Cyc¹⁰, (5) halogen, (7) cyano, (9) amidino, (10) -OR²⁵, (11) -COOR²⁶, (12) -C1-4 alkylene-COOR²⁷, (16) trifluoromethyl, (17) -NHC(NH)NH₂, or (19) Cyc¹⁰ substituted with 1 to 5 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, cyano, oxo, amidino, -OR²⁹, -SR³⁰, -NR³¹R³², -NHC(O)NR³³R³⁴, -NHC(O)-C1-4 alkylene-COOH, -NH-S(O)-C1-4 alkyl, -NH-S(O)₂-C1-4 alkyl, -COOR³⁵, -NHC(O)-R³⁶, -NHC(O)O-R³⁷, -C(O)NH-R³⁸ and -OC(O)NH-R³⁹,

wherein Cyc¹⁰ represents 5- to 6-membered heteroaryl;

R²⁵, R²⁶, R²⁷, R²⁸, R²⁹, R³⁰, R³¹, R³², R³³, R³⁴, R³⁵, R³⁶, R³⁷, R³⁸ and R³⁹ each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C3-C8 cycloalkyl, (6) 5- to 10-membered heterocycloalkyl, (7) C5-C10 aryl, (8) 5- to 10-membered heteroaryl or (9) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

m represents an integer of 0 to 6,

wherein m represents an integer of 2 to 6, each R⁶ may be same or different;

R⁷ represents (1) C1-8 alkyl, (2) C2-8 alkenyl, (3) C2-8 alkynyl, (4) halogen, (5) nitro, (6) trifluoromethyl, (7) cyano, (8) oxo, (9) amidino, (10) -OR⁴⁰, (11) -SR⁴¹, (12) -NR⁴²R⁴³, (13) -NHC(O)NR⁴⁴R⁴⁵, (14) -NHC(O)-C1-4 alkylene-NR⁴⁶R⁴⁷, (15) -NHC(O)-C1-4 alkylene-COOH, (16) -NH-S(O)-C1-4 alkyl, (17) -NH-S(O)₂-C1-4 alkyl, (18) -COOR⁴⁸, (19) -NHC(O)-R⁴⁹, (20) -NHC(O)-C1-4 alkylene-OR⁵⁰, (21) -NHC(O)O-R⁵¹, (22) -NHC(O)O-C1-4 alkylene -OR⁵², (23) -C(O)NH-R⁵³, (24) -OC(O)NH-R⁵⁴, (25) -OC(O)-R⁵⁵, (26) -C(O)-R⁵⁶, (27) -CH(OH)-R⁵⁷, (28) -C1-4 alkylene-NH₂, (29) -C1-4 alkylene-OH, (30) -C1-4 alkylene-OC(O)-C1-4 alkyl, (31) -C1-4 alkylene-NHC(O)-C1-4 alkyl, (32) -C1-4 alkylene-NHC(O)O-C1-4 alkyl, (33) -C1-4 alkylene-NHC(O)-CF₃, (34) -C1-4 alkylene-NHC(O)NH-C1-4 alkyl, (35) -CH=N-OR⁵⁸, (36) -C(O)N(C1-4 alkyl)₂, (37) -C(O)NH-R⁶³, (38) -S(O)₂-NR⁶⁴R⁶⁵, (39) -T-COOR⁶⁶, (40) -B(OR⁶⁷)(OR⁶⁸), (41) C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl or 5- or 6-membered heteroaryl, which are substituted with 1 to 5 groups selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, halogen, nitro, trifluoromethyl, -COOH, -COO-C1-4 alkyl, OH, oxo, and cyano, (42) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from halogen, trifluoromethyl, OH, oxo, -O-C1-4 alkyl, NH₂, and cyano, (43) -N(OH)C(O)-C1-4 alkyl, (44) -NHC(=N-OR⁶⁹)-C1-4 alkyl, (45) -NHC(S)-C1-4 alkyl, (46) -C(S)-C1-4 alkyl, (47) -S(O)NR⁷⁰R⁷¹, (48) -C(O)NH(CO)NR⁷², (49) -NHC(O)R⁷³, (50) -NHC(O)O-C1-4 alkyl substituted with 1 to 5 groups selected from -O-C1-4 alkylene-O-C1-4 alkyl, NH₂, and OH, (51) -NHC(O)-C1-4 alkyl substituted with 1 to 5 groups selected from -O-C1-4 alkylene-O-C1-4 alkyl, NR⁷⁴R⁷⁵, oxo, OH, halogen and -O-C1-4 alkylene-O-C1-4 alkyl substituted with 1 to 2 groups selected from OH, oxo and halogen, (52) -NH-C1-8 alkyl substituted with 1 to 5 groups

selected from $\cdot\text{O}\cdot\text{C1}\cdot\text{4}$ alkyl, oxo, $\text{NR}^{76}\text{R}^{77}$, C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- or 6-membered heteroaryl, (53) C3-C8 cycloalkyl, (54) 5- to 10-membered heterocycloalkyl, (55) C5-C10 aryl, or (56) 5- or 6-membered heteroaryl;

wherein R^{40} , R^{41} , R^{42} , R^{43} , R^{44} , R^{45} , R^{46} , R^{47} , R^{49} , R^{50} , R^{51} , R^{52} , R^{53} , R^{54} , R^{55} , R^{56} , R^{57} , R^{58} , R^{67} , R^{68} , R^{69} , R^{70} , R^{71} , R^{72} , R^{73} , R^{74} , R^{75} , R^{76} and R^{77} each independently represents (1) hydrogen, (2) trifluoromethyl, (3) C1-8 alkyl, (4) C2-8 alkenyl, (5) C2-8 alkynyl, (6) C3-C8 cycloalkyl, (7) 5- to 10-membered heterocycloalkyl, (8) C5-C10 aryl, (9) 5- to 10-membered heteroaryl or (10) C1-4 alkyl substituted with 1 to 5 groups selected from C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl;

R^{63} represents (1) $\cdot\text{C1}\cdot\text{4}$ alkylene- $\text{O}\cdot\text{C1}\cdot\text{4}$ alkyl, (2) $\cdot\text{O}\cdot\text{C1}\cdot\text{4}$ alkyl, (3) cyano, (4) $\cdot\text{C1}\cdot\text{4}$ alkylene- $\text{O}\cdot\text{C1}\cdot\text{4}$ alkylene- $\text{O}\cdot\text{C1}\cdot\text{4}$ alkyl or (5) $\cdot\text{SO}_2\cdot\text{C1}\cdot\text{4}$ alkyl;

R^{64} and R^{65} each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (5) C2-8 alkynyl, (6) $\cdot\text{C}(\text{O})\cdot\text{C1}\cdot\text{4}$ alkyl or (7) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from OH, oxo, $\cdot\text{O}\cdot\text{C1}\cdot\text{4}$ alkyl, $\cdot\text{O}\cdot\text{C1}\cdot\text{4}$ alkylene- $\text{O}\cdot\text{C1}\cdot\text{4}$ alkyl, halogen, nitro and cyano;

T represents (1) C1-4 alkylene, (2) C2-4 alkenylene, (3) $\cdot\text{O}\cdot\text{C1}\cdot\text{4}$ alkylene-, (4) $\cdot\text{O}\cdot\text{C2}\cdot\text{4}$ alkenylene-, (5) $\cdot\text{S}\cdot\text{C1}\cdot\text{4}$ alkylene-, (6) $\cdot\text{S}\cdot\text{C2}\cdot\text{4}$ alkenylene-, (7) $\cdot\text{NH}\cdot\text{C1}\cdot\text{4}$ alkylene-, (8) $\cdot\text{NH}\cdot\text{C2}\cdot\text{4}$ alkenylene-, (9) $\cdot\text{NH}\cdot\text{C5}\cdot\text{C10}$ aryl- or (10) $\cdot\text{NH}\cdot\text{5- to 10-membered heteroaryl-}$;

R^{48} and R^{66} each independently represents (1) hydrogen, (2) C1-8 alkyl, (3) C2-8 alkenyl, (4) C2-8 alkynyl, (5) C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl, which are substituted with 1 to 5 groups selected from $\cdot\text{NH}_2$, $\cdot\text{NH}\cdot\text{C1}\cdot\text{4}$ alkyl, $\cdot\text{N}(\text{C1}\cdot\text{4 alkyl})_2$, OH,

oxo, -O-C1-4 alkyl, -O-C1-4 alkylene-O-C1-4 alkyl, halogen, nitro, cyano, C3-C8 cycloalkyl, 5- to 10-membered heterocycloalkyl, C5-C10 aryl and 5- to 10-membered heteroaryl (6) C3-C10 cycloalkyl, (7) 5- to 10-membered heterocycloalkyl, (8) C5-C10 aryl, (9) 5- to 10-membered heteroaryl, (10) -C1-4 alkylene-C3-C8 cycloalkyl substituted with 1 to 5 groups selected from C1-4 alkyl, oxo, OH, trifluoromethyl and halogen, (11) -C1-4 alkylene-C5-C10 aryl substituted with 1 to 5 groups selected from C1-4 alkyl, OH, trifluoromethyl and halogen, (12) -C1-4 alkylene-5- to 10-membered heterocycloalkyl substituted with 1 to 5 groups selected from C1-4 alkyl, oxo, OH, trifluoromethyl and halogen, (13) -C1-4 alkylene-5- to 10-membered heteroaryl substituted with 1 to 5 groups selected from C1-4 alkyl, OH, trifluoromethyl and halogen or (14) -C1-4 alkylene-O-C1-8 alkyl substituted with 1 to 5 groups selected from OH, oxo, -O-C1-4 alkyl, -O-C1-4 alkylene-O-C1-4 alkyl, halogen, nitro, cyano, C3-C8 cycloalkyl, C5-C10 aryl, 5- to 10-membered heterocycloalkyl, -O-5- to 10-membered heteroaryl, -O-C3-C8 cycloalkyl, -O-C5-C10 aryl, -O-5- to 10-membered heterocycloalkyl, -O-5- to 10-membered heteroaryl, -O-C1-4 alkylene-5- to 10-membered heteroaryl, -O-C1-4 alkylene-C3-C8 cycloalkyl, -O-C1-4 alkylene-C5-C10 aryl, -O-C1-4 alkylene-5- to 10-membered heterocycloalkyl and -O-C1-4 alkylene-5- to 10-membered heteroaryl;

n represents an integer of 0 to 6,

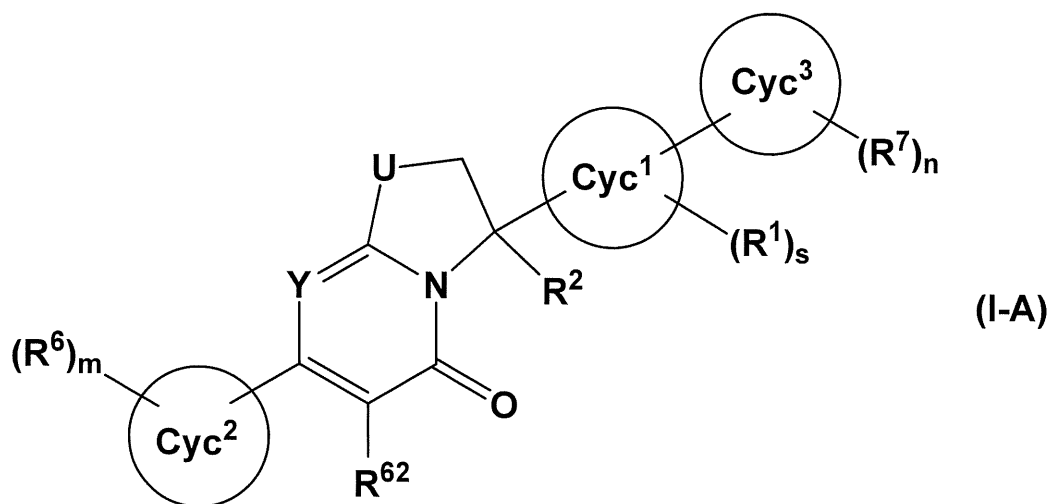
wherein n represents an integer of 2 to 6, each R⁷ may be same or different;

and

R⁶² represents hydrogen or halogen,

a salt thereof.

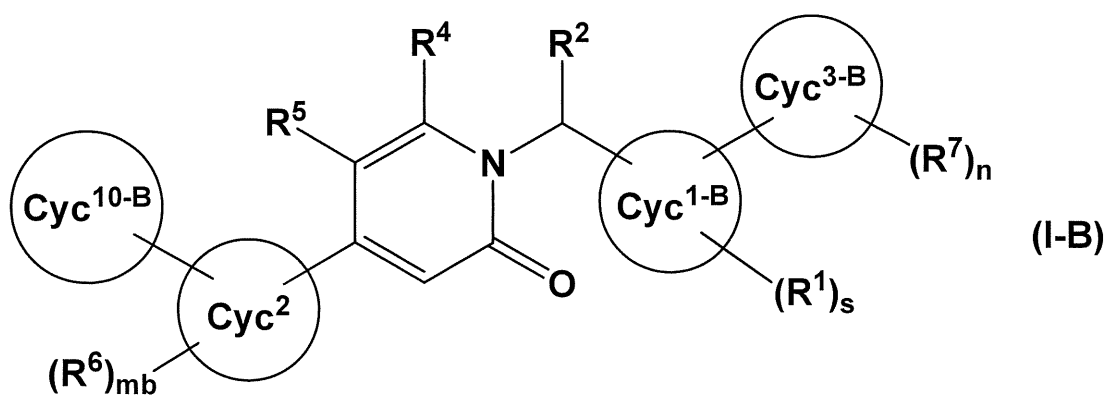
2. The compound according to claim 1, wherein the compound represented by formula (I) represents a compound represented by formula (I-A):



wherein U represents S or CH₂; and

the other symbols have the same meanings as described in claim 1.

3. The compound according to claim 1, wherein the compound represented by formula (I) represents a compound represented by formula (I-B):



wherein Cyc^{1-B} represents 5- to 10-membered heteroaryl;

Cyc^{3-B} represents C₅-C₁₀ aryl or 5- to 10-membered heteroaryl;

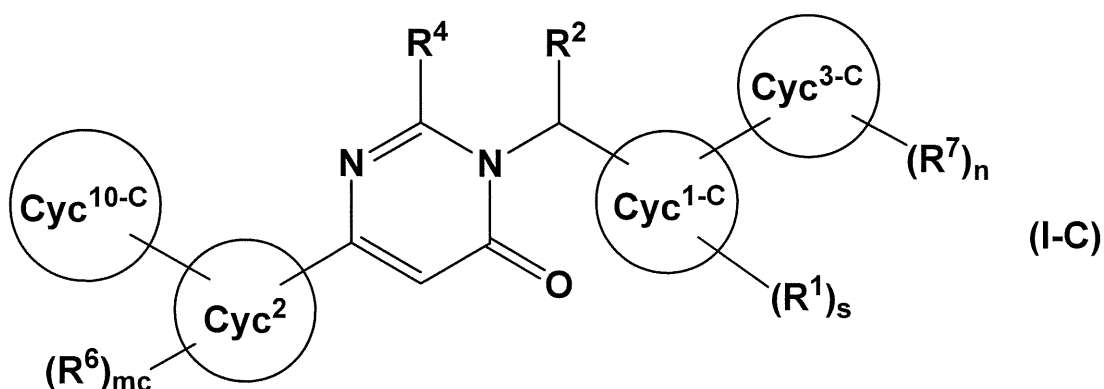
Cyc^{10-B} represents (1) 5- to 6-membered heteroaryl or (2) 5- to 6-membered

heteroaryl substituted with 1 to 5 groups selected from halogen, cyano, nitro, trifluoromethyl, -COOH, -COO-C1-4 alkyl and -CONH₂;

mb represents an integer of 0 to 5; and

the other symbols have the same meanings as described in claim 1.

4. The compound according to claim 1, wherein the compound represented by formula (I) represents a compound represented by formula (I-C):



wherein Cyc^{1-C} represents 5- to 10-membered heteroaryl;

Cyc^{3-C} represents C5-C10 aryl or 5- to 10-membered heteroaryl;

Cyc^{10-C} represents (1) 5- to 6-membered heteroaryl or (2) 5- to 6-membered heteroaryl substituted with 1 to 5 groups selected from halogen, cyano, nitro, trifluoromethyl, -COOH, -COO-C1-4 alkyl and -CONH₂;

mc represents an integer of 0 to 5; and

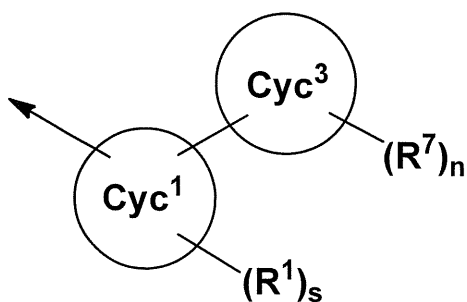
the other symbols have the same meanings as described in claim 1.

5. The compound according to claim 1 or 2, wherein Cyc¹ represents imidazolyl, triazolyl, pyrrolyl, pyrazolyl, furanyl, oxazolyl, thiazolyl, isothiazolyl, furazanyl, oxadiazolyl, thiadiazolyl, thienyl, pyridazinyl, indazolyl or benzimidazolyl.

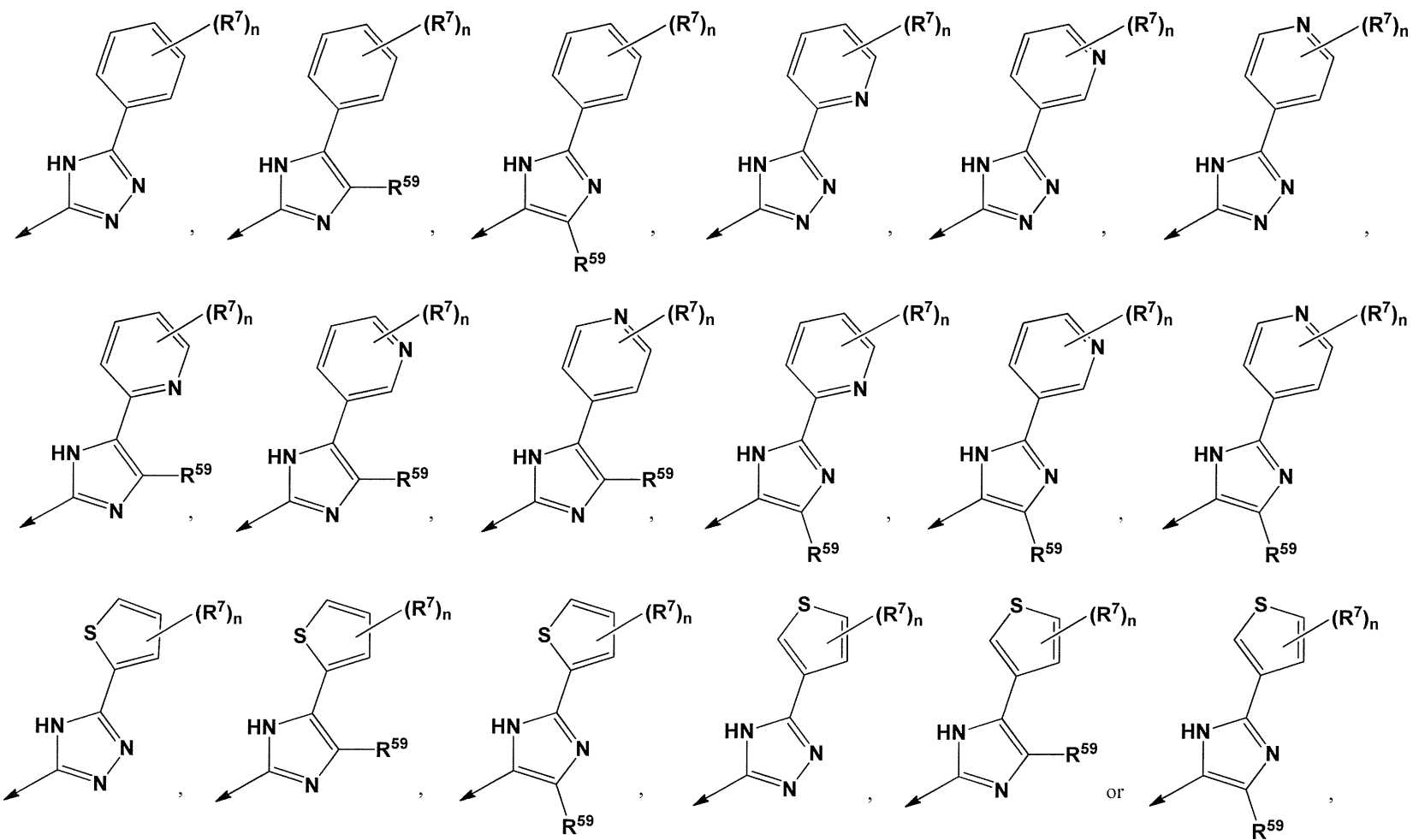
6. The compound according to claim 3, wherein Cyc^{1·B} represents imidazolyl, triazolyl, tetrazolyl, oxazolyl, pyridazinyl, indazolyl or benzimidazolyl.

7. The compound according to claim 4, wherein Cyc^{1·C} represents imidazolyl, triazolyl, tetrazolyl, oxazolyl, pyridazinyl, indazolyl or benzimidazolyl.

8. The compound according to claim 1 or claim 2, wherein



represents



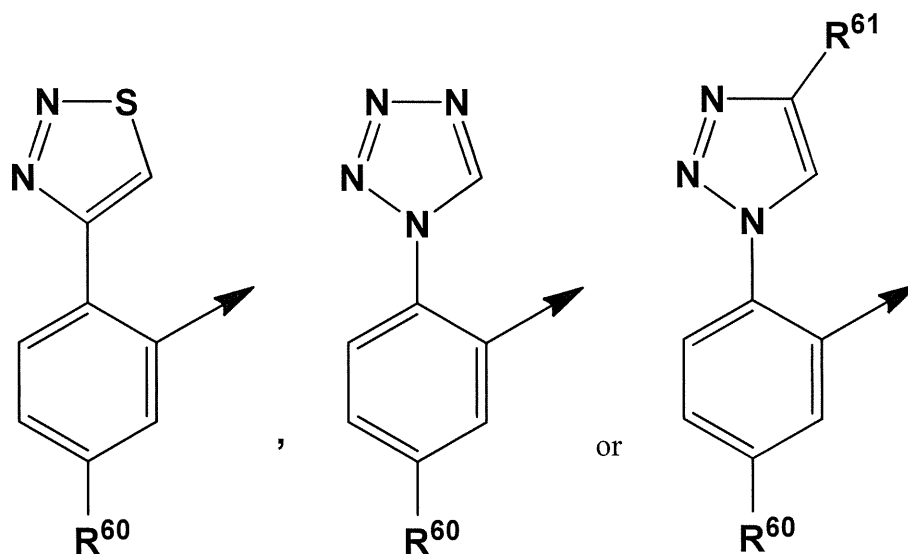
wherein R^{59} represents hydrogen, C1-4 alkyl or halogen;

the arrow represents a binding position; and

the other symbols have the same meanings as described in claim 1.

9. The compound according to any one of claims 1 to 8, wherein Cyc^2 represents pyridyl or phenyl.

10. The compound according to any one of claims 1 to 9, wherein $-Cyc^2-(R^6)_m$, $Cyc^2-(R^6)_{mb}Cyc^{10-B}$ or $Cyc^2-(R^6)_{mc}Cyc^{10-C}$ represents



wherein R^{60} represents hydrogen, methyl or halogen;

R^{61} represents (1) hydrogen, (2) halogen, (3) nitro, (4) trifluoromethyl, (5) $-COOH$, (6) $-COO-C1-4$ alkyl, (7) cyano or (8) $-CONH_2$; and the arrow represents a binding position.

11. The compound according to any one of claims 1 to 10, wherein R^7 represents (1) C1-8 alkyl, (2) halogen, (3) nitro, (4) trifluoromethyl, (5) cyano,

(6) oxo, (7) -OR⁴⁰, (8) -NR⁴²R⁴³, (9) -NHC(O)NR⁴⁴R⁴⁵, (10) -NHC(O)-C1-4 alkylene-NR⁴⁶R⁴⁷, (11) -NHC(O)-C1-4 alkylene-COOH, (12) -NH-S(O)₂-C1-4 alkyl, (13) -COOR⁴⁸, (14) -NHC(O)-R⁴⁹, (15) -NHC(O)-C1-4 alkylene-OR⁵⁰, (16) -NHC(O)O-R⁵¹, (17) -NHC(O)O-C1-4 alkylene-OR⁵², (18) -C(O)NH-R⁵³, (19) -OC(O)-R⁵⁵, (20) -C(O)-R⁵⁶, (21) -CH(OH)-R⁵⁷, (22) -C1-4 alkylene-NH₂, (23) -C1-4 alkylene-OH, (24) -C1-4 alkylene-OC(O)-C1-4 alkyl, (25) -C1-4 alkylene-NHC(O)-C1-4 alkyl, (26) -C1-4 alkylene-NHC(O)O-C1-4 alkyl, (27) -C1-4 alkylene-NHC(O)-CF₃, (28) -C1-4 alkylene-NHC(O)NH-C1-4 alkyl, (29) -CH=N-OR⁵⁸ or (30) -T-COOR⁶⁶.

12. The compound according to claim 1 or claim 2, wherein is selected from the group consisting of

(1) methyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-4-yl]phenyl]carbamate,

(2) methyl [4-(2-(7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-4-yl]phenyl]carbamate,

(3) 4-(2-(7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-4-yl]benzamide,

(4) 6-(2-(7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-4-yl)-3,4-dihydro-2(1H)-quinolinone,

(5) methyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-5-methyl-1H-imidazol-4-yl]phenyl]carbamate,

(6) 6-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-3,4-dihydro-2(1H)-quinolinone,

(7) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)]phenyl)-5-oxo-1,2,3,5-tetrahydro-

3-indolizinyll-1H-imidazol-5-yl)benzamide,

(8) 3-[5-(3-amino-1H-indazol-6-yl)-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(9) (3S)-3-[5-(6-amino-3-pyridinyl)-4-chloro-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(10) (3S)-3-[5-(6-amino-2-chloro-3-pyridinyl)-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(11) (3S)-3-[5-(1-amino-6-isoquinolinyll)-1H-imidazol-2-yl]-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(12) 4-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll)-1H-imidazol-5-yl)benzamide,

(13) ethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll)-1H-imidazol-5-yl)phenyl]carbamate,

(14) methyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll)-1H-imidazol-5-yl)-3-methylphenyl]carbamate,

(15) methyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

(16) 2-methoxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll)-1H-imidazol-5-yl)phenyl]carbamate,

(17) 2-methoxyethyl [4-(2-(7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll)-1H-imidazol-5-yl)phenyl]carbamate,

(18) methyl [6-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll)-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

(19) (3S)-3-[5-(6-amino-2-fluoro-3-pyridinyl)-1H-imidazol-2-yl]-7-[5-chloro-2-

(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(20) (6S)-6-[5-(6-amino-2-chloro-3-pyridinyl)-1H-imidazol-2-yl]-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-7,8-dihydropyrrolo[1,2-a]pyrimidin-4(6H)-one,

(21) 2-methoxyethyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

(22) (3S)-3-[5-(6-amino-3-pyridinyl)-4-chloro-1H-imidazol-2-yl]-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(23) 2-methoxyethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

(24) 2-methoxyethyl [4-(2-((3S)-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

(25) 2-methoxyethyl [5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-pyridinyl]carbamate,

(26) 2-methoxyethyl [6-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

(27) 2-methoxyethyl [4-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

(28) 2-methoxyethyl [4-(4-methyl-2-((3S)-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

(29) 2-methoxyethyl [6-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

(30) 2-ethoxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)phenyl]carbamate,

(31) 2-methoxyethyl [4-(2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-

4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}-1H-imidazol-5-yl)phenyl]carbamate,

(32) 3-methoxypropyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])1H-imidazol-5-yl)phenyl]carbamate,

(33) methyl [4-(2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

(34) 3-oxetanyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])1H-imidazol-5-yl)phenyl]carbamate,

(35) 2-methoxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])4-methyl-1H-imidazol-5-yl)phenyl]carbamate,

(36) methyl [4-(4-chloro-2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

(37) 2-methoxyethyl [4-(4-chloro-2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl]carbamate,

(38) (2S)-2-methoxypropyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])1H-imidazol-5-yl)phenyl]carbamate,

(39) (6S)-6-[5-(6-amino-2-fluoro-3-pyridinyl)-1H-imidazol-2-yl]-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-7,8-dihydropyrrolo[1,2-a]pyrimidin-4(6H)-one, (40) 2-methoxyethyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-4-methyl-1H-imidazol-5-yl)phenyl]carbamate,

(41) 2-(2-methoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])1H-imidazol-5-yl)-2-pyridinyl]carbamate,

(42) 2-(2-methoxyethoxy)ethyl [5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])1H-imidazol-5-yl)-2-pyridinyl]carbamate,

- (43) 2-(2-methoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·4-fluoro-1H-imidazol-5-yl)-2-pyridinyl] carbamate,
- (44) 2-(2-ethoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-pyridinyl] carbamate,
- (45) 2-(2-ethoxyethoxy)ethyl [5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-pyridinyl] carbamate,
- (46) 2-(2-ethoxyethoxy)ethyl [5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·4-fluoro-1H-imidazol-5-yl)-2-pyridinyl] carbamate,
- (47) 2-methoxyethyl [4-(4-chloro-2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl] carbamate,
- (48) 2-methoxyethyl [6-(4-chloro-2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-3-pyridinyl] carbamate,
- (49) 2-ethoxyethyl [4-(2-((3S)-7-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)phenyl] carbamate,
- (50) 2-ethoxyethyl [4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl] carbamate,
- (51) 2-ethoxyethyl [4-(2-((6S)-2-[5-methyl-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)phenyl] carbamate,
- (52) tetrahydro-2-furanylmethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)phenyl] carbamate,
- (53) methyl [4-(5-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-

4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}-1H-imidazol-2-yl)phenyl]carbamate,

(54) 3-hydroxy-3-methylbutyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,

(55) 2-(2-ethoxyethoxy)ethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,

(56) 2-(2-methoxyethoxy)ethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,

(57) 2-fluoroethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,

(58) 2-hydroxyethyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,

(59) 2-hydroxy-2-methylpropyl [4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl]

phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]carbamate,

(60) (3S)-3-(4-chloro-5-{6-[(1,3-oxazol-2-ylmethyl)amino]-3-pyridinyl}-1H

-imidazol-2-yl)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(61) 2-methoxyethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4H-1,2,4-triazol-3-yl)phenyl]carbamate,

(62) (3S)-3-[5-(6-amino-3-pyridinyl)-4-fluoro-1H-imidazol-2-yl]-7-[5-chloro-2-

(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(63) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indoliziny])-1H-imidazol-5-yl)phenyl]acetamide,

(64) methyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-

1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-2-yl)phenyl]carbamate,

(65) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-1H-imidazol-5-yl)-N-(2-methoxyethoxy)benzamide,

(66) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-4-fluoro-1H-imidazol-5-yl)phenyl]acetamide,

(67) 2-methoxyethyl [6-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo

-1,2,3,5-tetrahydro-3-indolizinyll-4-fluoro-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

(68) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-1H-imidazol-5-yl)phenyl]formamide,

(69) 2-methoxyethyl [6-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-

4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl]-4-fluoro-1H-imidazol-5-yl)-3-pyridinyl]carbamate,

(70) (1E)-N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-1H-imidazol-5-yl)phenyl]-N'-hydroxyethanimidamide,

(71) (6S)-6-[5-(6-amino-3-pyridinyl)-4-fluoro-1H-imidazol-2-yl]-2-[5-chloro-2-

(1H-tetrazol-1-yl)phenyl]-7,8-dihydropyrrolo[1,2-a]pyrimidin-4(6H)-one,

(72) N-[4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-1H-imidazol-5-yl)phenyl]-2-fluoroacetamide,

(73) (3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-3-[5-(4-hydroxyphenyl)-

1H-imidazol-2-yl]-2,3-dihydro-5(1H)-indolizinone,

(74) ethyl 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(75) 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indolizinyll-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,

(76) ethyl 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll-1H-imidazol-5-yl)-2-thiophenecarboxylate,

- (77) 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (78) 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxamide,
- (79) 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxamide,
- (80) 2-methoxyethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-2-yl)phenyl]carbamate,
- (81) 2-(2-methoxyethoxy)ethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-2-yl)phenyl]carbamate,
- (82) 2-(2-methoxyethoxy)ethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-2-yl)phenyl]carbamate,
- (83) 2-methoxyethyl [4-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-2-yl)phenyl]carbamate,
- (84) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (85) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-pyridinecarboxylic acid,
- (86) 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-4-fluoro-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (87) 5-(2-((3S)-8-chloro-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,
- (88) 4-(2-((3S)-8-chloro-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,

(89) 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-

tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,

(90) 4-(2-((3S)-8-chloro-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-

tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-pyridinecarboxylic acid,

(91) 2-(2-methoxyethoxy)ethyl [5-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)

phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-4-fluoro-1H-imidazol-2-yl)-2-pyridinyl] carbamate,

(92) 2-(4-morpholinyl)ethyl 5-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(93) 2-(4-morpholinyl)ethyl 5-(4-chloro-2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)

phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(94) 2-methoxyethyl [5-(5-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-

1,2,3,5-tetrahydro-3-indoliziny]-4-fluoro-1H-imidazol-2-yl)-2-pyridinyl]carbamate,

(95) (3S)-3-[2-(6-amino-3-pyridinyl)-4-fluoro-1H-imidazol-5-yl]-7-

[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-2,3-dihydro-5(1H)-indolizinone,

(96) 4-(2-((3S)-8-bromo-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo

-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,

(97) ethyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo

-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(98) 2-(4-morpholinyl)ethyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]

-5-oxo-1,2,3,5-tetrahydro-3-indoliziny]-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(99) 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5

-tetrahydro-3-indoliziny]-4-fluoro-1H-imidazol-5-yl)-2-thiophenecarboxylic acid,

- (100) isobutyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (101) 2-(dimethylamino)-2-oxoethyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (102) (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (103) [(2,2-dimethylpropanoyl)oxy]methyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (104) methyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (105) 3-methylbutyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (106) isopropyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (107) 2,3-dihydro-1H-inden-5-yl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (108) phenyl 4-(2-((3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indoliziny])·1H-imidazol-5-yl)-2-thiophenecarboxylate,
- (109) 2-(dimethylamino)-2-oxoethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-2-thiophenecarboxylate,
- (110) methyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8

·tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·1H-imidazol-5-yl)-2-thiophenecarboxylate,

(111) 2-(diethylamino)-2-oxoethyl 4-(2-{{(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·1H-imidazol-5-yl)-2-thiophenecarboxylate,

(112) 1-{{[(cyclohexyloxy)carbonyl]oxy}ethyl 4-(2-{{(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·1H-imidazol-5-yl)-2-thiophenecarboxylate,

(113) cyclohexyl 2-{{(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·5-{{[1-{{[(cyclohexyloxy)carbonyl]oxy}ethoxy)carbonyl]-3-thienyl}·1H-imidazole-1-carboxylate,

(114) 4-(2-{{(3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll}·1H-imidazol-5-yl)-3-fluoro-2-thiophenecarboxylic acid,

(115) 4-(5-{{7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll}·4-fluoro-1H-imidazol-2-yl)-2-thiophenecarboxylic acid,

(116) 4-(2-{{(3S)-7-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-5-oxo-1,2,3,5-tetrahydro-3-indolizinyll}·1H-imidazol-5-yl)-3-fluoro-2-pyridinecarboxylic acid,

(117) [(2,2-dimethylpropanoyl)oxy]methyl 4-(2-{{(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·1H-imidazol-5-yl)-2-thiophenecarboxylate,

(118) [(2,2-dimethylpropanoyl)oxy]methyl 4-(2-{{(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·1-{{(2,2-dimethylpropanoyl)oxy]methyl}·1H-imidazol-5-yl)-2-thiophenecarboxylate,

(119) 2,3-dihydro-1H-inden-5-yl 4-(2-{{(6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl}·1H-imidazol-5-yl)-2-

thiophenecarboxylate,

(120) ethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(121) 2-oxo-2-(1-pyrrolidinyl)ethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(122) 2-oxo-2-(1-piperidinyl)ethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(123) 2-(4-morpholinyl)-2-oxoethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(124) isobutyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(125) isopropyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate,

(126) (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate, and

(127) 2-(4-morpholinyl)ethyl 4-(2-((6S)-2-[5-chloro-2-(1H-tetrazol-1-yl)phenyl]-4-oxo-4,6,7,8-tetrahydropyrrolo[1,2-a]pyrimidin-6-yl)-1H-imidazol-5-yl)-2-thiophenecarboxylate.

13. A pharmaceutical composition which comprises the compound according to any one of claims 1 to 12, or a salt thereof.

14. The pharmaceutical composition according to claim 13, which is a factor XIa inhibitor or a factor XIa and plasma kallikrein dual inhibitor.

15. The pharmaceutical composition according to claim 14, which is an agent for the treatment or prevention of a thromboembolic disease.

16. The compound according to any one of claims 1 to 12, or a salt thereof, for use in the treatment of the human or animal body by therapy.

17. The compound according to any one of claims 1 to 12, or a salt thereof, for use in treating or preventing a thromboembolic disease.

18. The compound for use according to claim 17, wherein the thromboembolic disease is selected from the group consisting of arterial cardiovascular thromboembolic disorders, venous cardiovascular thromboembolic disorders, arterial cerebrovascular thromboembolic disorders, venous cerebrovascular thromboembolic disorders and thromboembolic disorders in the chambers of the heart or in the peripheral circulation.

19. The compound for use according to claim 18, wherein the thromboembolic disease is selected from unstable angina, an acute coronary syndrome, atrial fibrillation, myocardial infarction, ischemic sudden death, transient ischemic attack, stroke, atherosclerosis, peripheral occlusive arterial disease, venous thrombosis, deep vein thrombosis, thrombophlebitis, arterial embolism, coronary arterial thrombosis, cerebral arterial thrombosis, cerebral embolism, kidney embolism, pulmonary embolism, and thrombosis resulting from medical implants, devices, or procedures in which blood is exposed to an artificial surface that promotes thrombosis.

20. Use of a compound according to any one of claims 1 to 12, or a salt thereof, in the manufacture of a medicament for use in treating or preventing a thromboembolic disease.