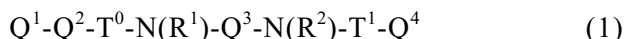


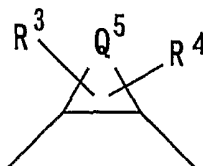
**Patent Claims**

1. A compound represented by general formula (1)



[wherein,  $R^1$  and  $R^2$  each independently denote hydrogen atom, hydroxy group, alkyl group or alkoxy group,

$Q^1$  denotes saturated or unsaturated 5-6 membered cyclic hydrocarbon group which may have substituent, saturated or unsaturated 5-7 membered heterocyclic group which may have substituent, saturated or unsaturated dicyclic or tricyclic condensed hydrocarbon group which may have substituent or saturated or unsaturated bicyclic or tricyclic condensed polycyclic group which may have substituent,  $Q^2$  is a single bond, divalent saturated or unsaturated 5-6 membered cyclic hydrocarbon group which may have substituent, divalent saturated or unsaturated 5-7 membered heterocyclic group, divalent saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or divalent saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent,  $Q^3$  denotes a following group



(in this group,  $Q^5$  is 1-8 C alkylene group, 2-8 C alkenylene group or group  $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$  (in this group,  $m$  and  $n$  each independently denote an integer of 0, 1-3, and  $A$  denotes oxygen atom, nitrogen atom, sulfur atom,  $-SO-$ ,  $SO_2-$ ,  $-NH-$ ,  $-O-NH-$ ,  $-NH-NH-$ ,  $-S-NH-$ ,  $-SO-NH-$  or  $-SO_2-NH-$ )),

$R^3$  and  $R^4$  are substituted on carbon atom, nitrogen atom or sulphur atom on a ring including  $Q^5$  and each independently denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, cyano group, cyano alkyl group, amino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino-group which may have substituent, alkoxyimino group, hydroxyimino group, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl group, alkoxy carbonyl alkyl group, alkoxy carbonyl alkylamino group, carboxyalkyl amino group, alkoxy carbonylamino group, alkoxy carbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have

substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally-substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, carbamoyl alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, 3-6 membered heterocyclic carbonyl alkyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, aryl group, aralkyl group, heteroaryl group, heteroaryl alkyl group, alkylsulfonyl amino group, arylsulfonylamino group, alkylsulfonyl amino alkyl group, arylsulfonylamino alkyl group, alkylsulfonyl aminocarbonyl group, arylsulfonylamino carbonyl group, alkylsulfonyl aminocarbonyl alkyl group, arylsulfonylamino carbonyl alkyl group, oxo group, carbamoyloxy group, aralkyloxy group, carboxyalkyl oxy group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxy carbonyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxy carbonyl acyl group, alkoxyalkyl oxycarbonyl group, hydroxy acyl group, alkoxy acyl group, halogeno acyl group, carboxy acyl group, aminoacyl group, acyloxyacyl group, acyloxyalkyl sulphonyl group, hydroxyalkyl sulphonyl group, alkoxyalkyl sulphonyl group, 3-6 membered heterocyclic sulphonyl group which may have substituent, N-alkylamino acyl group, N,N-dialkylamino acyl group, N,N-dialkyl carbamoyl acyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkylsulfonyl group which may have substituent on alkyl group or alkylsulfonyl acyl group, or R<sup>3</sup> and R<sup>4</sup> are bonded together and denote 1-5 C alkylene group, 2-5 C alkenylene group, 1-5 C alkylene dihydroxy group or carbonyldioxy group),

Q<sup>4</sup> denotes aryl group which may have substituent, aryl alkenyl group which may have substituent, aryl alkynyl group which may have substituent, heteroaryl group which may have substituent, heteroaryl alkenyl group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent,

T<sup>0</sup> denotes carbonyl group or thiocarbonyl group,

T<sup>1</sup> denotes carbonyl group, sulphonyl group, group -C(=O)-C(=O)-N(R<sup>1</sup>)-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')-, group -C(=S)-C(=S)-N(R')- (in this group, R<sup>1</sup> denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), group -C(=O)-A<sup>1</sup>-N(R'')- (in this group, A<sup>1</sup> denotes 1-5 C alkylene group which may have substituent, and R'' denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), group -C(=O)-NH-, group -C(=S)-NH-, group -C(=O)-NH-NH-, group -C(=O)-A<sup>2</sup>-

C(=O)- (in this group, A<sup>2</sup> denotes single bond or 1-5 C alkylene group), group -C(=O)-A<sup>3</sup>-C(=O)-NH- (in this group, A<sup>3</sup> denotes 1-5 C alkylene group), group -C(=O)-C (NOR<sup>a</sup>)-N(R<sup>b</sup>)-, group -C(=S)-C (NOR<sup>a</sup>)-N(R<sup>b</sup>)- (in this group, R<sup>a</sup> denotes hydrogen atom, alkyl group or alkanoyl group, and R<sup>b</sup> denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), group -C(=O)-N=N-, group -C(=S)-N=N- or thiocarbonyl group], and salts thereof, solventate thereof or N-oxide thereof.

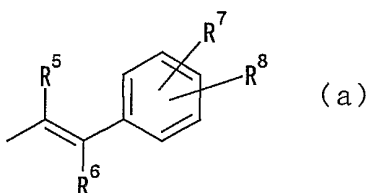
2. A compound in accordance with Claim 1, wherein in formula (1), group Q<sup>4</sup> is a group selected from among phenyl group which may have substituent, naphthyl group which may have substituent, anthryl group which may have substituent, phenanthryl group which may have substituent, styryl group which may have substituent, phenylethynyl group which may have substituent, pyridyl group which may have substituent, pyridazinyl group which may have substituent, furyl group which may have substituent, thienyl group which may have substituent, pyrrolyl group which may have substituent, thiazolyl group which may have substituent, oxazolyl group which may have substituent, pyrimidinyl group which may have substituent, tetrazolyl group which may have substituent, thienyl ethenyl group which may have substituent, pyridyl ethenyl group which may have substituent, indenyl group which may have substituent, indanyl group which may have substituent, tetrahydronaphthyl group which may have substituent, benzofuryl group which may have substituent, iso benzofuryl group which may have substituent, benzothienyl group which may have substituent, indolyl group which may have substituent, indolinyl group which may have substituent, iso indolyl group which may have substituent, iso indolinyl group which may have substituent, indazolyl group which may have substituent, quinolyl group which may have substituent, dihydroquinolyl group which may have substituent, 4-oxo-dihydroquinolyl group (dihydroquinolin-4-one) which may have substituent, tetrahydroquinolyl group which may have substituent, isoquinolyl group which may have substituent, tetrahydroisoquinolyl group which may have substituent, chromenyl group which may have substituent, chromanyl group which may have substituent, isochromanyl group which may have substituent, 4-H-4-oxo benzopyranyl group which may have substituent, 3,4-dihydro-4H-4-oxo benzopyranyl group which may have substituent, 4H-quinolidinyl group which may have substituent, quinazoliny group which may have substituent, dihydroquinazoliny group which may have substituent, tetrahydroquinazoliny group which may have substituent, quinoxaliny group which may have substituent, tetrahydroquinoxaliny group which may have substituent, cinnolinyl group which may have substituent, tetrahydrocinnolinyl group which may have substituent, indoliziny group which may have substituent, tetrahydroindoliziny group which may have substituent, benzothiazolyl group which may have substituent, tetrahydrobenzo thiazolyl group which may have substituent, benzoxazolyl group which may have substituent, benzo iso thiazolyl group which

may have substituent, benzo isoxazolyl group which may have substituent, benzimidazolyl group which may have substituent, naphthyridinyl group which may have substituent, tetrahydronaphthyridinyl group which may have substituent, thieno pyridyl group which may have substituent, tetrahydrothieno pyridyl group which may have substituent, thiazolo pyridyl group which may have substituent, tetrahydrothiazolo pyridyl group which may have substituent, thiazolo pyridazinyl group which may have substituent, tetrahydrothiazolo pyridazinyl group which may have substituent, pyrrolo pyridyl group which may have substituent, dihydropyrrolo pyridyl group which may have substituent, tetrahydropyrrolo pyridyl group which may have substituent, pyrrolo pyrimidinyl group which may have substituent, dihydropyrrolo pyrimidinyl group which may have substituent, pyrido quinazoliny group which may have substituent, dihydropyrrolo quinazoliny group which may have substituent, pyrido pyrimidinyl group which may have substituent, tetrahydropyrrolo pyrimidinyl group which may have substituent, pyrano thiazolyl group which may have substituent, dihydropyrano thiazolyl group which may have substituent, furo pyridyl group which may have substituent, tetrahydrofuro pyridyl group which may have substituent, oxazolo pyridyl group which may have substituent, tetrahydrooxazolo pyridyl group which may have substituent, oxazolo pyridazinyl group which may have substituent, tetrahydrooxazolo pyridazinyl group which may have substituent, pyrrolo thiazolyl group which may have substituent, dihydropyrrolo thiazolyl group which may have substituent, pyrrolo oxazolyl group which may have substituent, dihydropyrrolo oxazolyl group which may have substituent, thieno pyrrolyl group which may have substituent, thiazolo pyrimidinyl group which may have substituent, 4-oxo-tetrahydrocinnolinyl group which may have substituent, 1,2,4-benzo thiadiazinyl group which may have substituent, 1,1-dihydroxy-2H-1,2,4-benzo thiadiazinyl group which may have substituent, 1,2,4-benzoxa diazinyl group which may have substituent, cyclopenta pyranyl group which may have substituent, thieno furanyl group which may have substituent, furo pyranyl group which may have substituent, pyrido oxazinyl group which may have substituent, pyrazolo oxazolyl group which may have substituent, imidazo thiazolyl group which may have substituent, imidazo pyridyl group which may have substituent, tetrahydroimidazo pyridyl group which may have substituent, pyrazino pyridazinyl group which may have substituent, benz isoquinolyl group which may have substituent, furo cinnolyl group which may have substituent, pyrazolo thiazolo pyridazinyl group which may have substituent, tetrahydropyrazolo thiazolo pyridazinyl group which may have substituent, hexahydrothiazolo pyridazino pyridazinyl group which may have substituent, imidazo triazinyl group which may have substituent, oxazolo pyridyl group which may have substituent, benzoxazepinyl group which may have substituent, benzo azepinyl group which may have substituent, tetrahydrobenzo azepinyl group which may have substituent, benzodiazepinyl group which may have substituent, benzo tri azepinyl group which

may have substituent, thieno azepinyl group which may have substituent, tetrahydrothieno azepinyl group which may have substituent, thieno diazepinyl group which may have substituent, thieno tri azepinyl group which may have substituent, thiazolo azepinyl group which may have substituent, tetrahydrothiazolo azepinyl group which may have substituent, 4,5,6,7-tetrahydro-5,6-tetramethylene thiazolo pyridazinyl group which may have substituent and 5,6-trimethylene-4,5,6,7-tetrahydrothiazolo pyridazinyl group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

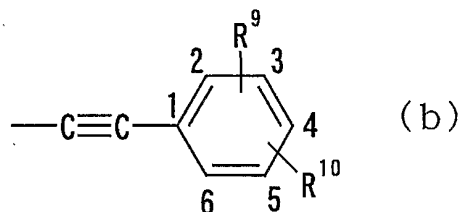
3. A compound in accordance with Claim 1 or 2, wherein substituent on group Q<sup>4</sup> is 1-3 groups selected from hydroxy group, halogen atom, halogeno alkyl group, amino group, cyano group, amino alkyl group, nitro group, hydroxyalkyl group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl alkyl group, acyl group, amidino group, hydroxy amidino group, straight chain, branched or cyclic 1-6 C alkyl group, straight chain, branched or cyclic 1-6 C alkoxy group, amidino group in which straight chain, branched or cyclic 2-7 C alkoxycarbonyl group is substituted, straight chain, branched or cyclic 2-6 C alkenyl group, straight chain or branched 2-6 C alkynyl group, straight chain, branched or cyclic 2-6 C alkoxycarbonyl group, carbamoyl group, mono or dialkyl carbamoyl group in which straight chain, branched or cyclic 1-6 C alkyl group is substituted on nitrogen atom, mono or dialkylamino group substituted by straight chain, branched or cyclic 1-6 C alkyl group and 5-6 membered nitrogen containing heterocyclic group, and salts thereof, solventate thereof or N-oxide,

4. A compound in accordance with Claim 1, wherein in formula (1), group Q<sup>4</sup> denotes any of following groups, and salts thereof, solventate thereof or N-oxide thereof.

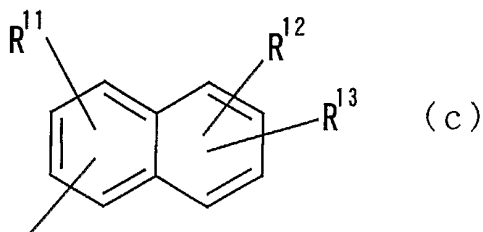


(in this group, R<sup>5</sup> and R<sup>6</sup> each independently denote hydrogen atom, cyano group, halogen atom, alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, alkoxycarbonyl group, alkoxycarbonyl alkyl group or phenyl group which may be substituted by cyano group, hydroxy group, halogen atom, alkyl group or alkoxy group. R<sup>7</sup> and R<sup>8</sup> each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl

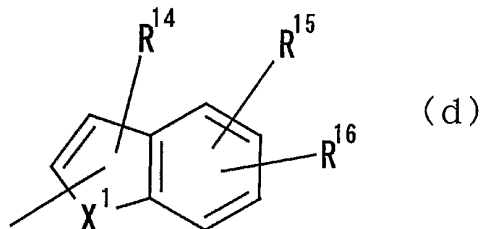
group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



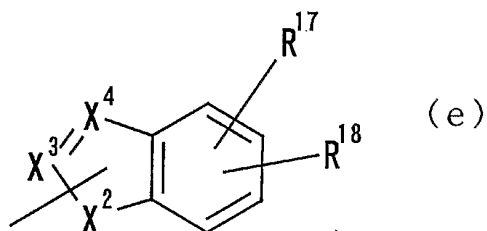
(in this group,  $R^9$  and  $R^{10}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



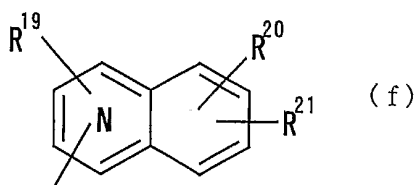
(in this group,  $R^{11}$ ,  $R^{12}$  and  $R^{13}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



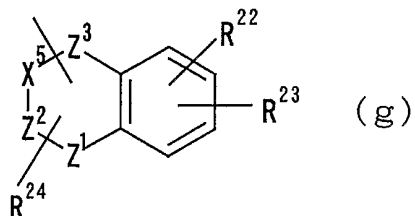
(in this group,  $X^1$  denotes  $CH_2$ ,  $CH$ ,  $NH$ ,  $NOH$ ,  $N$ ,  $O$  or  $S$ , and  $R^{14}$ ,  $R^{15}$  and  $R^{16}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



(in this group,  $X^2$  denotes NH, N, O or S,  $X^3$  denotes N, C or CH,  $X^4$  denotes N, C or CH, and  $R^{17}$  and  $R^{18}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group. Wherein the case that  $X^3$  and  $X^4$  are the combination of C and CH or are both C or CH is excluded),

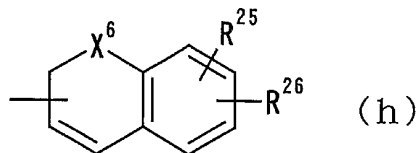


(in this group, N denotes that 1 or 2 of carbon atom of a ring in which  $R^{19}$  is substituted is substituted with nitrogen atom, and  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),

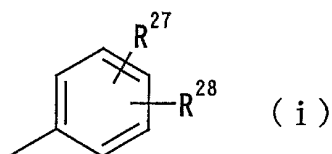


(in this group,  $X^5$  denotes  $CH_2$ , CH, N or NH,  $Z^1$  denotes N, NH or O,  $Z^2$  denotes  $CH_2$ , CH, C or N,  $Z^3$  denotes  $CH_2$ , CH, S,  $SO_2$  or  $C=O$ ,  $X^5-Z^2$  denotes that  $X^5$  and  $Z^2$  are bonded with single bond or double bond,  $R^{22}$  and  $R^{23}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group,

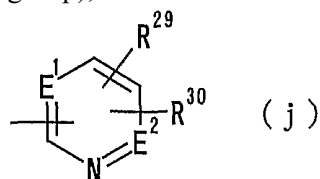
carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group, and  $R^{24}$  denotes hydrogen atom or alkyl group),



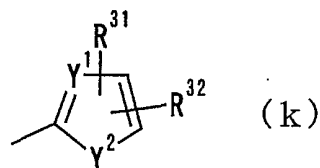
(in this group,  $X^6$  denotes O or S, and  $R^{25}$  and  $R^{26}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



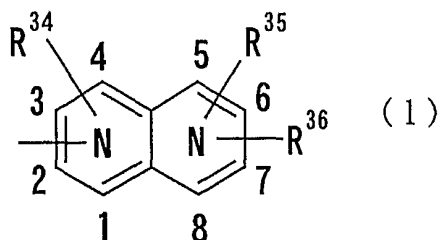
(in this group,  $R^{27}$  and  $R^{28}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



(in this group,  $E^1$  and  $E^2$  each independently denote N or CH, and  $R^{29}$  and  $R^{30}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),

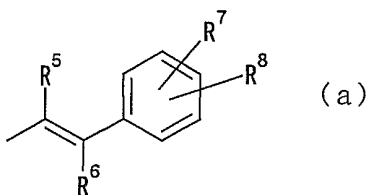


(in this group,  $Y^1$  denotes CH or N,  $Y^2$  denotes N( $R^{33}$ )- (in this group,  $R^{33}$  denotes hydrogen atom or 1-6 C alkyl group), O or S, and  $R^{31}$  and  $R^{32}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group) and

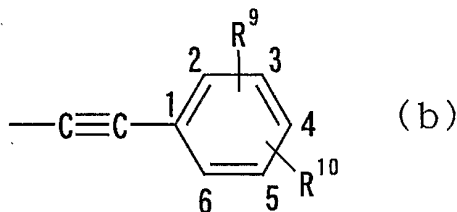


(in this group, the numbers 1-8 denote positions, each N denotes that any one of carbon atom at 1-4 and any one of carbon atom at 5-8 is respectively substituted by one nitrogen atom,  $R^{34}$ ,  $R^{35}$  and  $R^{36}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group).

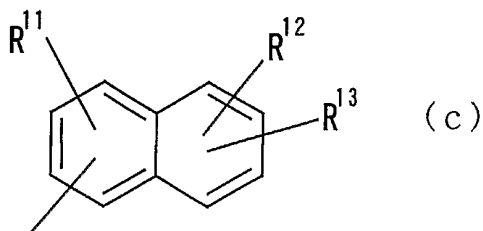
5. A compound in accordance with Claim 1, wherein in formula (1), group  $Q^4$  denotes any of following groups, and salts thereof, solvate thereof or N-oxide thereof.



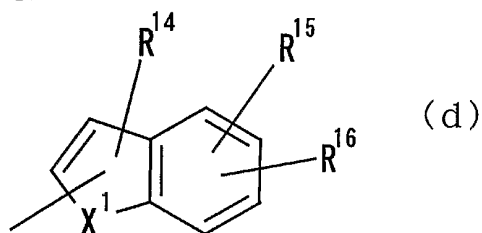
(in this group,  $R^5$  and  $R^6$  each independently denote hydrogen atom or alkyl group,  $R^7$  denotes hydrogen atom and  $R^8$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



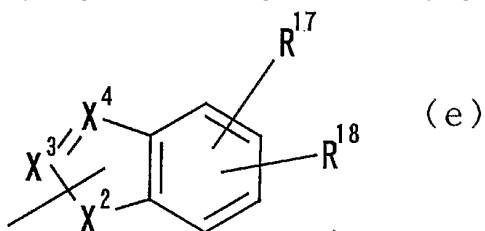
(in this group,  $R^9$  denotes hydrogen atom and  $R^{10}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



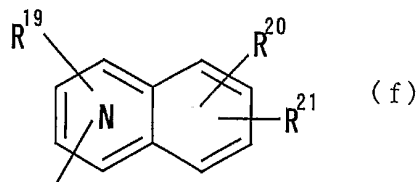
(in this group,  $R^{11}$  and  $R^{12}$  both denote hydrogen atom and  $R^{13}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



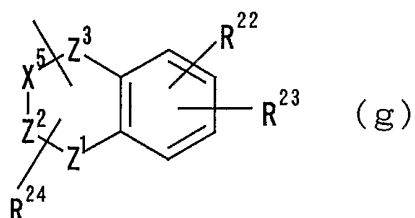
(in this group,  $X^1$  denotes NH, NOH, N, O or S,  $R^{14}$  denotes hydrogen atom, halogen atom, acyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group or alkyl group,  $R^{15}$  denotes hydrogen atom or halogen atom and  $R^{16}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



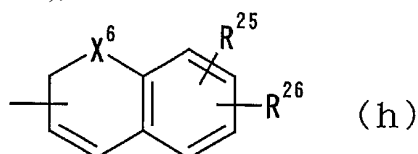
(in this group,  $X^2$  denotes NH, O or S,  $X^3$  denotes N, C or CH,  $X^4$  denotes N, C or CH,  $R^{17}$  denotes hydrogen atom and  $R^{18}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group. Wherein the case that  $X^3$  and  $X^4$  are the combination of C and CH or are both C or CH is excluded),



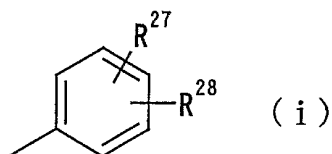
(in this group, N denotes that 1 or 2 of carbon atom of a ring in which  $R^{19}$  is substituted is substituted with nitrogen atom,  $R^{19}$  and  $R^{20}$  both denote hydrogen atom and  $R^{21}$  denotes hydrogen atom, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group or halogeno alkyl group),



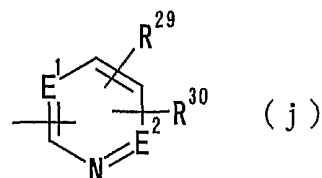
(in this group,  $X^5$  denotes  $CH_2$ ,  $CH$ ,  $N$  or  $NH$ ,  $Z^1$  denotes  $N$ ,  $NH$  or  $O$ ,  $Z^2$  denotes  $CH_2$ ,  $CH$ ,  $C$  or  $N$ ,  $Z^3$  denotes  $CH_2$ ,  $CH$ ,  $S$ ,  $SO_2$  or  $C=O$ ,  $X^5-Z^2$  denotes that  $X^5$  and  $Z^2$  are bonded with single bond or double bond,  $R^{22}$  denotes hydrogen atom,  $R^{23}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group and  $R^{24}$  denotes hydrogen atom),



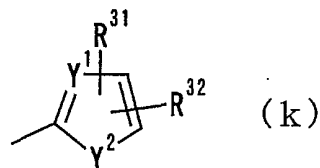
(in this group,  $X^6$  denotes  $O$ ,  $R^{25}$  denotes hydrogen atom and  $R^{26}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



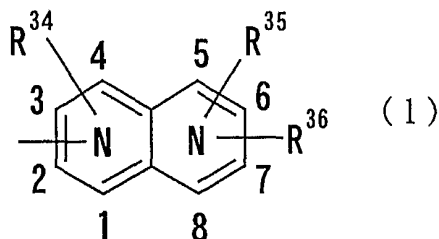
(in this group,  $R^{27}$  denotes hydrogen atom or halogen atom and  $R^{28}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



(in this group,  $E^1$  and  $E^2$  each independently denote  $N$  or  $CH$ ,  $R^{29}$  denotes hydrogen atom or halogen atom and  $R^{30}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



(in this group,  $Y^1$  denotes  $CH$  or  $N$ ,  $Y^2$  denotes  $N(R^{33})$ - (in this group,  $R^{33}$  denotes hydrogen atom or 1-6 C alkyl group),  $O$  or  $S$ ,  $R^{31}$  denotes hydrogen atom or halogen atom and  $R^{32}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group) and



(in this group, the number 1-8 denote positions, each N denotes that any one of carbon atom at 1-4 and any one of carbon atom at 5-8 is respectively substituted by one nitrogen atom,  $R^{34}$  denotes hydrogen atom or halogen atom,  $R^{35}$  denotes hydrogen atom or halogen atom and  $R^{36}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group).

6. A compound in accordance with any one of Claims 1-3, wherein in formula (1), group  $Q^4$  denotes 4-chloro styryl group, 4-fluoro styryl group, 4-bromo styryl group, 4-ethynyl styryl group, 4-chlorophenyl-ethynyl group, 4-fluorophenyl-ethynyl group, 4-bromo phenyl-ethynyl group, 4-ethynyl phenyl-ethynyl group, 6-chloro-2-naphthyl group, 6-fluoro-2-naphthyl group, 6-bromo-2-naphthyl group, 6-ethynyl-2-naphthyl group, 7-chloro-2-naphthyl group, 7-fluoro-2-naphthyl group, 7-bromo-2-naphthyl group, 7-ethynyl-2-naphthyl group, 5-chloroindol-2-yl group, 5-fluoro indol-2-yl group, 5-bromo indol-2-yl group, 5-ethynyl indol-2-yl group, 5-methylindol-2-yl group, 5-chloro-4-fluoro indol-2-yl group, 5-chloro-3-fluoro indol-2-yl group, 3-bromo-5-chloroindol-2-yl group, 3-chloro-5-fluoro indol-2-yl group, 3-bromo-5-fluoro indol-2-yl group, 5-bromo-3-chloroindol-2-yl group, 5-bromo-3-fluoro indol-2-yl group, 5-chloro-3-formylindol-2-yl group, 5-fluoro-3-formylindol-2-yl group, 5-bromo-3-formylindol-2-yl group, 5-ethynyl-3-formylindol-2-yl group, 5-chloro-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 5-fluoro-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 5-bromo-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 5-ethynyl-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 6-chloroindol-2-yl group, 6-fluoro indol-2-yl group, 6-bromo indol-2-yl group, 6-ethynyl indol-2-yl group, 6-methylindol-2-yl group, 5-chlorobenzo thiophen-2-yl group, 5-fluorobenzo thiophen-2-yl group, 5-bromo benzo thiophen-2-yl group, 5-ethynyl benzo thiophen-2-yl group, 5-methylbenzo thiophen-2-yl group, 5-chloro-4-fluorobenzo thiophen-2-yl group, 6-chlorobenzo thiophen-2-yl group, 6-fluorobenzo thiophen-2-yl group, 6-bromo benzo thiophen-2-yl group, 6-ethynyl benzo thiophen-2-yl group, 6-methylbenzo thiophen-2-yl group, 5-chlorobenzofuran-2-yl group, 5-fluorobenzofuran-2-yl group, 5-bromo benzofuran-2-yl group, 5-ethynyl benzofuran-2-yl group, 5-methylbenzofuran-2-yl group, 5-chloro-4-fluorobenzofuran-2-yl group, 6-chlorobenzofuran-2-yl group, 6-fluorobenzofuran-2-yl group, 6-bromo benzofuran-2-yl group, 6-ethynyl benzofuran-2-yl group, 6-methylbenzofuran-2-yl group, 5-

chlorobenzo imidazol-2-yl group, 5-fluorobenzo imidazol-2-yl group, 5-bromo benzimidazol-2-yl group, 5-ethinyl benzimidazol-2-yl group, 6-chloroquinoline-2-yl group, 6-fluoro quinoline-2-yl group, 6-bromo quinoline-2-yl group, 6-ethinyl quinoline-2-yl group, 7-chloroquinoline-3-yl group, 7-fluoro quinoline-3-yl group, 7-bromo quinoline-3-yl group, 7-ethinyl quinoline-3-yl group, 7-chloroisoquinoline-3-yl group, 7-fluoro isoquinoline-3-yl group, 7-bromo isoquinoline-3-yl group, 7-ethinyl isoquinoline-3-yl group, 7-chloro cinnoline-3-yl group, 7-fluoro cinnoline-3-yl group, 7-bromo cinnoline-3-yl group, 7-ethinyl cinnoline-3-yl group, 7-chloro-2H-chromen-3-yl group, 7-fluoro-2H-chromen-3-yl group, 7-bromo-2H-chromen-3-yl group, 7-ethinyl-2H-chromen-3-yl group, 6-chloro-1,4-dihydroquinolin-4-one-2-yl group, 6-fluoro-1,4-dihydroquinolin-4-one-2-yl group, 6-bromo-1,4-dihydroquinolin-4-one-2-yl group, 6-ethinyl-1,4-dihydroquinolin-4-one-2-yl group, 6-chloro-1,4-dihydroquinazolin-4-one-2-yl group, 6-fluoro-1,4-dihydroquinazolin-4-one-2-yl group, 6-bromo-1,4-dihydroquinazolin-4-one-2-yl group, 6-ethinyl-1,4-dihydroquinazolin-4-one-2-yl group, 4-chlorophenyl group, 4-fluorophenyl group, 4-bromo phenyl group, 4-ethinyl phenyl group, 3-chlorophenyl group, 3-fluorophenyl group, 3-bromo phenyl group, 3-ethinyl phenyl group, 3-chloro-4-fluorophenyl group, 4-chloro-3-fluorophenyl group, 4-chloro-2-fluorophenyl group, 2-chloro-4-fluorophenyl group, 4-bromo-2-fluorophenyl group, 2-bromo-4-fluorophenyl group, 2,4-dichlorophenyl group, 2,4-difluorophenyl group, 2,4-dibromo phenyl group, 4-chloro-3-methylphenyl group, 4-fluoro-3-methylphenyl group, 4-bromo-3-methylphenyl group, 4-chloro-2-methylphenyl group, 4-fluoro-2-methylphenyl group, 4-bromo-2-methylphenyl group, 3,4-dichlorophenyl group, 3,4-difluorophenyl group, 3,4-dibromo phenyl group, 2-pyridyl group, 3-pyridyl group, 4-pyridyl group, 4-chloro-2-pyridyl group, 4-fluoro-2-pyridyl group, 4-bromo-2-pyridyl group, 4-ethinyl-2-pyridyl group, 4-chloro-3-pyridyl group, 4-fluoro-3-pyridyl group, 4-bromo-3-pyridyl group, 4-ethinyl-3-pyridyl group, 5-chloro-2-pyridyl group, 5-fluoro-2-pyridyl group, 5-bromo-2-pyridyl group, 5-ethinyl-2-pyridyl group, 4-chloro-5-fluoro-2-pyridyl group, 5-chloro-4-fluoro-2-pyridyl group, 5-chloro-3-pyridyl group, 5-fluoro-3-pyridyl group, 5-bromo-3-pyridyl group, 5-ethinyl-3-pyridyl group, 6-chloro-3-pyridazinyl group, 6-fluoro-3-pyridazinyl group, 6-bromo-3-pyridazinyl group, 6-ethinyl-3-pyridazinyl group, 5-chloro-2-thiazolyl group, 5-fluoro-2-thiazolyl group, 5-bromo-2-thiazolyl group, 5-ethinyl-2-thiazolyl group, 2-chloro-thieno [2,3-b] pyrrole-5-yl group, 2-fluoro-thieno [2,3-b] pyrrole-5-yl group, 2-bromo-thieno [2,3-b] pyrrole-5-yl group or 2-ethinyl-thieno [2,3-b] pyrrole-5-yl group, and salts thereof, solventate thereof or N-oxide thereof

7. A compound in accordance with any one of Claims 1-6, wherein group Q<sup>1</sup> in formula (1) is saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or saturated

or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

8. A compound in accordance with any one of Claims 1-6, wherein group  $Q^1$  in formula (1) denotes thieno pyridyl group which may have substituent, tetrahydrothieno pyridyl group which may have substituent, thiazolo pyridyl group which may have substituent, tetrahydrothiazolo pyridyl group which may have substituent, thiazolo pyridazinyl group which may have substituent, tetrahydrothiazolo pyridazinyl group which may have substituent, pyrano thiazolyl group which may have substituent, dihydropyrano thiazolyl group which may have substituent, furo pyridyl group which may have substituent, tetrahydrofuro pyridyl group which may have substituent, oxazolo pyridyl group which may have substituent, tetrahydrooxazolo pyridyl group which may have substituent, pyrrolo pyridyl group which may have substituent, dihydropyrrolo pyridyl group which may have substituent, tetrahydropyrrolo pyridyl group which may have substituent, pyrrolo pyrimidinyl group which may have substituent, dihydropyrrolo pyrimidinyl group which may have substituent, oxazolo pyridazinyl group which may have substituent, tetrahydrooxazolo pyridazinyl group which may have substituent, pyrrolo thiazolyl group which may have substituent, dihydropyrrolo thiazolyl group which may have substituent, pyrrolo oxazolyl group which may have substituent, dihydropyrrolo oxazolyl group which may have substituent, benzothiazolyl group which may have substituent, tetrahydrobenzo thiazolyl group which may have substituent, thiazolo pyrimidinyl group which may have substituent, dihydrothiazolo pyrimidinyl group which may have substituent, benzo azepinyl group which may have substituent, tetrahydrobenzo azepinyl group which may have substituent, thiazolo azepinyl group which may have substituent, tetrahydrothiazolo azepinyl group which may have substituent, thieno azepinyl group which may have substituent, tetrahydrothieno azepinyl group which may have substituent, 4,5,6,7-tetrahydro-5,6-tetramethylene thiazolo pyridazinyl group which may have substituent or 5,6-trimethylene-4,5,6,7-tetrahydrothiazolo pyridazinyl group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

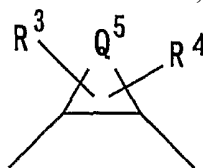
9. A compound in accordance with any one of Claims 1-8, wherein substituent on group  $Q^1$  is 1-3 groups selected from hydroxy group, halogen atom, halogeno alkyl group, amino group, cyano group, amidino group, hydroxy amidino group,  $C^1-C^6$  alkyl group,  $C^3-C^6$  cycloalkyl  $C^1-C^6$  alkyl group, hydroxy  $C^1-C^6$  alkyl group,  $C^1-C^6$  alkoxy group,  $C^1-C^6$  alkoxy  $C^1-C^6$  alkyl group, carboxyl group,  $C^2-C^6$  carboxyalkyl group,  $C^2-C^6$  alkoxy carbonyl  $C^1-C^6$  alkyl group, amidino group in which  $C^2-C^6$  alkoxy carbonyl group is substituted,  $C^2-C^6$  alkenyl group,  $C^2-C^6$  alkynyl group,  $C^2-C^6$  alkoxy carbonyl group, amino  $C^1-C^6$

alkyl group, C<sup>1</sup>-C<sup>6</sup> alkylamino C<sup>1</sup>-C<sup>6</sup> alkyl group, di (C<sup>1</sup>-C<sup>6</sup> alkyl) amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>2</sup>-C<sup>6</sup> alkoxycarbonylamino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkanoyl group, C<sup>1</sup>-C<sup>6</sup> alkanoyl amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkylsulfonyl group, C<sup>1</sup>-C<sup>6</sup> alkylsulfonyl amino C<sup>1</sup>-C<sup>6</sup> alkyl group, carbamoyl group, C<sup>1</sup>-C<sup>6</sup> alkylcarbamoyl group, N,N-di (C<sup>1</sup>-C<sup>6</sup> alkyl) carbamoyl group, C<sup>1</sup>-C<sup>6</sup> alkylamino group, di (C<sup>1</sup>-C<sup>6</sup> alkyl) amino group, 5-6 membered heterocyclic group including 1 or 2 same or different nitrogen, oxygen or sulfur atom, 5-6 membered heterocyclic group-C<sup>1</sup>-C<sup>4</sup> alkyl group and 5-6 membered heterocyclic group-amino-C<sup>1</sup>-C<sup>4</sup> alkyl group, and salts thereof, solventate thereof or N-oxide.

10. A compound in accordance with any one of Claims 1-9, wherein in formula (1), group T<sup>1</sup> is carbonyl group, group -C(=O)-C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')- or group -C(=S)-C(=S)-N(R')- (in this group, R' denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), and salts thereof, solventate thereof or N-oxide.

11. A compound in accordance with any one of Claims 1-9, wherein group T<sup>1</sup> in formula (1) is group -C(=O)-C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')- or group -(=S)-C(=S)-N(R')- (in this group, R' denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), and salts thereof, solventate thereof or N-oxide.

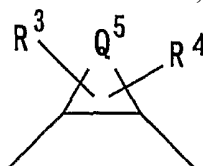
12. A compound in accordance with any one of Claims 1-11, wherein group Q<sup>3</sup> in formula (1) is



(in this group, Q<sup>5</sup> denotes 3-6 C alkylene group or group -(CH<sub>2</sub>)<sub>m</sub>-CH<sub>2</sub>-A-CH<sub>2</sub>-(CH<sub>2</sub>)<sub>n</sub>- (in this group, m and n each independently denote 0 or 1 and A is the same as above), R<sup>3</sup> and R<sup>4</sup> each independently denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, amino group, hydroxyimino group, alkoxyimino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino-group which may have substituent, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonyl alkyl group, alkoxycarbonylamino group, alkoxycarbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-

alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, carbamoyl alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, alkylsulfonyl amino group, alkylsulfonyl amino alkyl group, oxo group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxy carbonyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxy carbonyl acyl group, carboxy acyl group, alkoxyalkyl oxycarbonyl group, halogeno acyl group, N,N-dialkylamino acyl group, acyloxyacyl group, hydroxy acyl group, alkoxy acyl group, alkoxyalkyl sulphonyl group, N,N-dialkyl carbamoyl acyl group, N,N-dialkyl carbamoyl alkylsulfonyl group or alkylsulfonyl acyl group), and salts thereof, solventate thereof or N-oxide thereof.

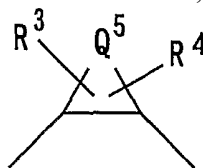
13. A compound in accordance with any one of Claims 1-11, wherein group  $Q^3$  in formula (1) is



(in this group,  $Q^5$  denotes group  $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$  (in this group, m and n each independently denote 0 or 1 and A is the same as above) and  $R^3$  and  $R^4$  each independently denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, amino group, hydroxyimino group, alkoxyimino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino group which may have substituent, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl group, alkoxy carbonyl alkyl group, alkoxy carbonylamino group, alkoxy carbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic

carbonyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, carbamoyl alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, alkylsulfonyl amino group, alkylsulfonyl amino alkyl group, oxo group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxy carbonyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxy carbonyl acyl group, carboxy acyl group, alkoxyalkyl oxycarbonyl group, halogeno acyl group, N,N-dialkylamino acyl group, acyloxyacyl group, hydroxy acyl group, alkoxy acyl group, alkoxyalkyl sulphonyl group, N,N-dialkyl carbamoyl acyl group, N,N-dialkyl carbamoyl alkylsulfonyl group or alkylsulfonyl acyl group), and salts thereof, solventate thereof or N-oxide thereof.

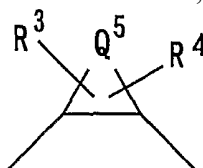
14. A compound in accordance with any one of Claims 1-11, wherein group  $Q^3$  in formula (1) is



(in this group,  $Q^5$  denotes 3-6 C alkylene group and  $R^3$  and  $R^4$  each independently denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, amino group, hydroxyimino group, alkoxyimino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino group which may have substituent, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl group, alkoxy carbonyl alkyl group, alkoxy carbonylamino group, alkoxy carbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, carbamoyl alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, alkylsulfonyl amino group, alkylsulfonyl amino alkyl group, oxo group, acyl oxy group, acyloxyalkyl

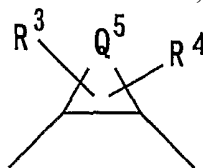
group, aryl sulphonyl group, alkoxyacetyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxyacetyl acyl group, carboxy acyl group, alkoxyalkyl oxycarbonyl group, halogeno acyl group, N,N-dialkylamino acyl group, acyloxyacetyl group, hydroxy acyl group, alkoxy acyl group, alkoxyalkyl sulphonyl group, N,N-dialkyl carbamoyl acyl group, N,N-dialkyl carbamoyl alkylsulfonyl group or alkylsulfonyl acyl group), and salts thereof, solventate thereof or N-oxide thereof.

15. A compound in accordance with any one of Claims 1-11, wherein group  $Q^3$  in formula (1) is



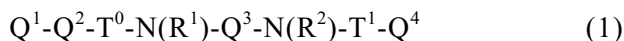
(in this group,  $Q^5$  denotes 4 C alkylene group,  $R^3$  denotes hydrogen atom and  $R^4$  denotes N,N-dialkyl carbamoyl group which may have substituent on alkyl group), and salts thereof, solventate thereof or N-oxide thereof.

16. A compound in accordance with any one of Claims 1-11, wherein group  $Q^3$  in formula (1) is



(in this group,  $Q^5$  denotes 4 C alkylene group,  $R^3$  denotes hydrogen atom and  $R^4$  denotes N,N-dimethylcarbamoyl group), and salts thereof, solventate thereof or N-oxide thereof.

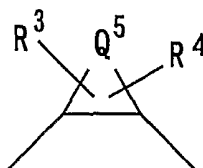
17. A compound in accordance with Claim 1 represented by general formula (1)



(wherein,  $R^1$  and  $R^2$  each independently denote hydrogen atom, hydroxy group, alkyl group or alkoxy group,

$Q^1$  denotes saturated or unsaturated 5-6 membered cyclic hydrocarbon group which may have substituent, saturated or unsaturated 5-7 membered heterocyclic group which may have substituent, saturated or unsaturated dicyclic or tricyclic condensed hydrocarbon group which may have substituent or saturated or unsaturated bicyclic or tricyclic condensed polycyclic group which may have substituent,  $Q^2$  is a single bond, divalent saturated or unsaturated 5-6 membered cyclic hydrocarbon group which may have substituent, divalent saturated or unsaturated 5-7 membered heterocyclic group, divalent saturated

or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or divalent saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent, Q<sup>3</sup> denotes a following group



(in this group, Q<sup>5</sup> is group  $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$  (in this group, m and n each independently denote an integer of 0, 1-3, and A denotes oxygen atom, nitrogen atom, sulfur atom,  $-SO-$ ,  $SO_2-$ ,  $-NH-$ ,  $-O-NH-$ ,  $-NH-NH-$ ,  $-S-NH-$ ,  $-SO-NH-$  or  $-SO_2-NH-$ )),

R<sup>3</sup> and R<sup>4</sup> are substituted on carbon atom, nitrogen atom or sulphur atom on a ring including Q<sup>5</sup> and each independently denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, cyano group, cyano alkyl group, amino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino-group which may have substituent, alkoxyimino group, hydroxyimino group, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy-carbonyl group, alkoxy-carbonyl alkyl group, alkoxy-carbonyl alkylamino group, carboxyalkyl amino group, alkoxy-carbonylamino group, alkoxy-carbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally-substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, carbamoyl alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, 3-6 membered heterocyclic carbonyl alkyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, aryl group, aralkyl group, heteroaryl group, heteroaryl alkyl group, alkylsulfonyl amino group, arylsulfonylamino group, alkylsulfonyl amino alkyl group, arylsulfonylamino alkyl group, alkylsulfonyl aminocarbonyl group, arylsulfonylamino carbonyl group, alkylsulfonyl aminocarbonyl alkyl group, arylsulfonylamino carbonyl alkyl group, oxo group, carbamoyloxy group, aralkyloxy group, carboxyalkyl oxy group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxy-carbonyl

alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxyacetyl acyl group, alkoxyalkyl oxycarbonyl group, hydroxy acyl group, alkoxy acyl group, halogeno acyl group, carboxy acyl group, aminoacyl group, acyloxyacyl group, acyloxyalkyl sulphonyl group, hydroxyalkyl sulphonyl group, alkoxyalkyl sulphonyl group, 3-6 membered heterocyclic sulphonyl group which may have substituent, N-alkylamino acyl group, N,N-dialkylamino acyl group, N,N-dialkyl carbamoyl acyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkylsulfonyl group which may have substituent on alkyl group or alkylsulfonyl acyl group, or R<sup>3</sup> and R<sup>4</sup> are bonded together and denote 1-5 C alkylene group, 2-5 C alkenylene group, 1-5 C alkylene dihydroxy group or carbonyldioxy group),

Q<sup>4</sup> denotes aryl group which may have substituent, aryl alkenyl group which may have substituent, aryl alkynyl group which may have substituent, heteroaryl group which may have substituent, heteroaryl alkenyl group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent,

T<sup>0</sup> denotes carbonyl group or thiocarbonyl group,

T<sup>1</sup> denotes carbonyl group, sulphonyl group or thiocarbonyl group), and salts thereof, solventate thereof or N-oxide thereof.

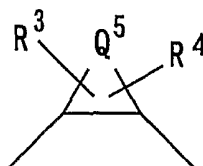
18. A compound in accordance with Claim 17, wherein Q<sup>1</sup> is saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent, and Q<sup>2</sup> is a single bond, and salts thereof, solventate thereof or N-oxide thereof.

19. A compound in accordance with Claim 17 or 18, wherein Q<sup>1</sup> denotes thieno pyridyl group which may have substituent, tetrahydrothieno pyridyl group which may have substituent, thiazolo pyridyl group which may have substituent, tetrahydrothiazolo pyridyl group which may have substituent, thiazolo pyridazinyl group which may have substituent, tetrahydrothiazolo pyridazinyl group which may have substituent, pyrano thiazolyl group which may have substituent, dihydropyrano thiazolyl group which may have substituent, furo pyridyl group which may have substituent, tetrahydrofuro pyridyl group which may have substituent, oxazolo pyridyl group which may have substituent, tetrahydrooxazolo pyridyl group which may have substituent, pyrrolo pyridyl group which may have substituent, dihydropyrolopyridyl group which may have substituent, tetrahydropyrrolo pyridyl group which may have substituent, pyrrolo pyrimidinyl group which may have substituent, dihydropyrrolo pyrimidinyl group which may have substituent, oxazolo pyridazinyl group which may have substituent,

tetrahydrooxazolo pyridazinyl group which may have substituent, pyrrolo thiazolyl group which may have substituent, dihydropyrrolo thiazolyl group which may have substituent, pyrrolo oxazolyl group which may have substituent, dihydropyrrolo oxazolyl group which may have substituent, benzothiazolyl group which may have substituent, tetrahydrobenzo thiazolyl group which may have substituent, thiazolo pyrimidinyl group which may have substituent, dihydrothiazolo pyrimidinyl group which may have substituent, benzo azepinyl group which may have substituent, tetrahydrobenzo azepinyl group which may have substituent, thiazolo azepinyl group which may have substituent, tetrahydrothiazolo azepinyl group which may have substituent, thieno azepinyl group which may have substituent, tetrahydrothieno azepinyl group which may have substituent, 4,5,6,7-tetrahydro-5,6-tetramethylene thiazolo pyridazinyl group which may have substituent or 5,6-trimethylene-4,5,6,7-tetrahydrothiazolo pyridazinyl group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

20. A compound in accordance with any one of Claims 17-19, wherein substituent on Q<sup>1</sup> is 1-3 groups selected from hydroxy group, halogen atom, halogeno alkyl group, amino group, cyano group, amidino group, hydroxy amidino group, C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>3</sup>-C<sup>6</sup> cycloalkyl C<sup>1</sup>-C<sup>6</sup> alkyl group, hydroxy C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkoxy group, C<sup>1</sup>-C<sup>6</sup> alkoxy C<sup>1</sup>-C<sup>6</sup> alkyl group, carboxyl group, C<sup>2</sup>-C<sup>6</sup> carboxyalkyl group, C<sup>2</sup>-C<sup>6</sup> alkoxy carbonyl C<sup>1</sup>-C<sup>6</sup> alkyl group, amidino group in which C<sup>2</sup>-C<sup>6</sup> alkoxy carbonyl group is substituted, C<sup>2</sup>-C<sup>6</sup> alkenyl group, C<sup>2</sup>-C<sup>6</sup> alkynyl group, C<sup>2</sup>-C<sup>6</sup> alkoxy carbonyl group, amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkylamino C<sup>1</sup>-C<sup>6</sup> alkyl group, di (C<sup>1</sup>-C<sup>6</sup> alkyl) amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>2</sup>-C<sup>6</sup> alkoxy carbonylamino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkanoyl group, C<sup>1</sup>-C<sup>6</sup> alkanoyl amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkylsulfonyl group, C<sup>1</sup>-C<sup>6</sup> alkylsulfonyl amino C<sup>1</sup>-C<sup>6</sup> alkyl group, carbamoyl group, C<sup>1</sup>-C<sup>6</sup> alkylcarbamoyl group, N,N-di (C<sup>1</sup>-C<sup>6</sup> alkyl) carbamoyl group, C<sup>1</sup>-C<sup>6</sup> alkylamino group, di (C<sup>1</sup>-C<sup>6</sup> alkyl) amino group, 5-6 membered heterocyclic group including 1 or 2 same or different nitrogen, oxygen or sulphur atoms, 5-6 membered heterocyclic group-C<sup>1</sup>-C<sup>4</sup> alkyl group and 5-6 membered heterocyclic group-amino-C<sup>1</sup>-C<sup>4</sup> alkyl group, and salts thereof, solventate thereof or N-oxide.

21. A compound in accordance with any one of Claims 17-20, wherein Q<sup>3</sup> is



(in this group, Q<sup>5</sup> denotes group -(CH<sub>2</sub>)<sub>m</sub>-CH<sub>2</sub>-A-CH<sub>2</sub>-(CH<sub>2</sub>)<sub>n</sub>- (in this group, m and n each independently denote 0 or 1 and A is the same as above) and R<sup>3</sup> and R<sup>4</sup> are each independently and

denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, amino group, hydroxyimino group, alkoxyimino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino group which may have substituent, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonyl alkyl group, alkoxycarbonylamino group, alkoxycarbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, carbamoyl alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, alkylsulfonyl amino group, alkylsulfonyl amino alkyl group, oxo group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxycarbonyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxycarbonyl acyl group, carboxy acyl group, alkoxyalkyl oxycarbonyl group, halogeno acyl group, N,N-dialkylamino acyl group, acyloxyacyl group, hydroxy acyl group, alkoxy acyl group, alkoxyalkyl sulphonyl group, N,N-dialkyl carbamoyl acyl group, N,N-dialkyl carbamoyl alkylsulfonyl group or alkylsulfonyl acyl group), and salts thereof, solventate thereof or N-oxide.

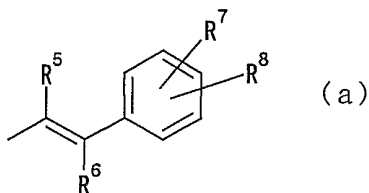
22. A compound in accordance with any one of Claims 17-21, wherein group Q<sup>4</sup> is a group selected from naphthyl group which may have substituent, anthryl group which may have substituent, phenanthryl group which may have substituent, styryl group which may have substituent, phenylethynyl group which may have substituent, thienyl ethenyl group which may have substituent, pyridyl ethenyl group which may have substituent, indenyl group which may have substituent, indanyl group which may have substituent, tetrahydronaphthyl group which may have substituent, benzofuryl group which may have substituent, iso benzofuryl group which may have substituent, benzothienyl group which may have substituent, indolyl group which may have substituent, indolinyl group which may have substituent, iso indolyl group which may have substituent, iso indolinyl group which may have substituent, indazolyl group which may have substituent, quinolyl group which may have substituent, dihydroquinolyl group which may have substituent, 4-oxo-dihydroquinolyl group (dihydroquinolin-4-one) which may have

substituent, tetrahydroquinolyl group which may have substituent, isoquinolyl group which may have substituent, tetrahydroisoquinolyl group which may have substituent, chromenyl group which may have substituent, chromanyl group which may have substituent, iso chromanyl group which may have substituent, 4H-4-oxo benzopyranyl group which may have substituent, 3,4-dihydro-4H-4-oxo benzopyranyl group which may have substituent, 4H-quinolidinyl group which may have substituent, quinazoliny group which may have substituent, dihydroquinazoliny group which may have substituent, tetrahydroquinazoliny group which may have substituent, quinoxaliny group which may have substituent, tetrahydroquinoxaliny group which may have substituent, cinnoliny group which may have substituent, tetrahydrocinnoliny group which may have substituent, indoliziny group which may have substituent, tetrahydroindoliziny group which may have substituent, benzothiazolyl group which may have substituent, tetrahydrobenzo thiazolyl group which may have substituent, benzoxazolyl group which may have substituent, benzo iso thiazolyl group which may have substituent, benzo isoxazolyl group which may have substituent, benzimidazolyl group which may have substituent, naphthyridiny group which may have substituent, tetrahydronaphthyridiny group which may have substituent, thieno pyridyl group which may have substituent, tetrahydrothieno pyridyl group which may have substituent, thiazolo pyridyl group which may have substituent, tetrahydrothiazolo pyridyl group which may have substituent, thiazolo pyridaziny group which may have substituent, tetrahydrothiazolo pyridaziny group which may have substituent, pyrrolo pyridyl group which may have substituent, dihydropyrrolo pyridyl group which may have substituent, tetrahydropyrrolo pyridyl group which may have substituent, pyrrolo pyrimidinyl group which may have substituent, dihydropyrrolo pyrimidinyl group which may have substituent, pyrido quinazoliny group which may have substituent, dihydropyrido quinazoliny group which may have substituent, pyrido pyrimidinyl group which may have substituent, tetrahydropyrido pyrimidinyl group which may have substituent, pyrano thiazolyl group which may have substituent, dihydropyrano thiazolyl group which may have substituent, furo pyridyl group which may have substituent, tetrahydrofuro pyridyl group which may have substituent, oxazolo pyridyl group which may have substituent, tetrahydrooxazolo pyridyl group which may have substituent, oxazolo pyridaziny group which may have substituent, tetrahydrooxazolo pyridaziny group which may have substituent, pyrrolo thiazolyl group which may have substituent, dihydropyrrolo thiazolyl group which may have substituent, pyrrolo oxazolyl group which may have substituent, dihydropyrrolo oxazolyl group which may have substituent, thieno pyrrolyl group which may have substituent, thiazolo pyrimidinyl group which may have substituent, 4-oxo-tetrahydrocinnoliny group which may have substituent, 1,2,4-benzo thiadiaziny group which may have substituent, 1,1-dihydroxy-2H-1,2,4-benzo thiadiaziny group which may have substituent, 1,2,4-benzoxa diaziny group which may have substituent, cyclopenta pyranyl group which

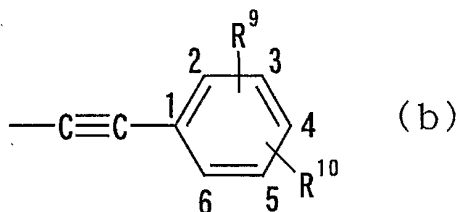
may have substituent, thieno furanyl group which may have substituent, furo pyranlyl group which may have substituent, pyrido oxazinyl group which may have substituent, pyrazolo oxazolyl group which may have substituent, imidazo thiazolyl group which may have substituent, imidazo pyridyl group which may have substituent, tetrahydroimidazo pyridyl group which may have substituent, pyrazino pyridazinyl group which may have substituent, benz isoquinolyl group which may have substituent, furo cinnolyl group which may have substituent, pyrazolo thiazolo pyridazinyl group which may have substituent, tetrahydropyrazolo thiazolo pyridazinyl group which may have substituent, hexahydrothiazolo pyridazino pyridazinyl group which may have substituent, imidazo triazinyl group which may have substituent, oxazolo pyridyl group which may have substituent, benzoxazepinyl group which may have substituent, benzo azepinyl group which may have substituent, tetrahydrobenzo azepinyl group which may have substituent, benzodiazepinyl group which may have substituent, benzo tri azepinyl group which may have substituent, thieno azepinyl group which may have substituent, tetrahydrothieno azepinyl group which may have substituent, thieno diazepinyl group which may have substituent, thieno tri azepinyl group which may have substituent, thiazolo azepinyl group which may have substituent, tetrahydrothiazolo azepinyl group which may have substituent, 4,5,6,7-tetrahydro-5,6-tetramethylene thiazolo pyridazinyl group which may have substituent and 5,6-trimethylene-4,5,6,7-tetrahydrothiazolo pyridazinyl group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

23. A compound in accordance with any one of Claims 17-21, wherein substituent on Q<sup>4</sup> is 1-3 groups selected from hydroxy group, halogen atom, halogeno alkyl group, amino group, cyano group, amino alkyl group, nitro group, hydroxyalkyl group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl alkyl group, acyl group, amidino group, hydroxy amidino group, straight chain, branched or cyclic 1-6 C alkyl group, straight chain, branched or cyclic 1-6 C alkoxy group, amidino group in which straight chain, branched or cyclic 2-7 C alkoxy carbonyl group is substituted, straight chain, branched or cyclic 2-6 C alkenyl group, straight chain or branched 2-6 C alkynyl group, straight chain, branched or cyclic 2-6 C alkoxy carbonyl group, carbamoyl group, mono or dialkyl carbamoyl group in which straight chain, branched or cyclic 1-6 C alkyl group is substituted on nitrogen atom, mono or dialkylamino group substituted by straight chain, branched or cyclic 1-6 C alkyl group and 5-6 membered nitrogen containing heterocyclic group, and salts thereof, solventate thereof or N-oxide.

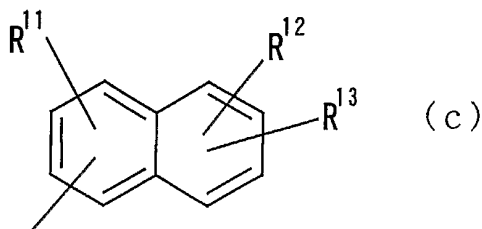
24. A compound in accordance with any one of Claims 17-21, wherein Q<sup>4</sup> is



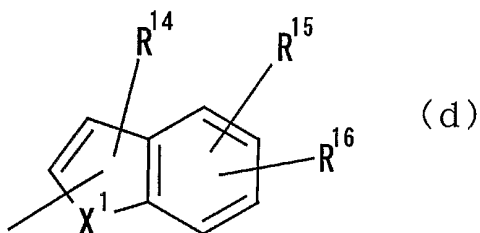
(in this group,  $R^5$  and  $R^6$  each independently denote hydrogen atom, cyano group, halogen atom, alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, alkoxycarbonyl group, alkoxycarbonyl alkyl group or phenyl group which may be substituted by cyano group, hydroxy group, halogen atom, alkyl group or alkoxy group.  $R^7$  and  $R^8$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonyl alkyl group),



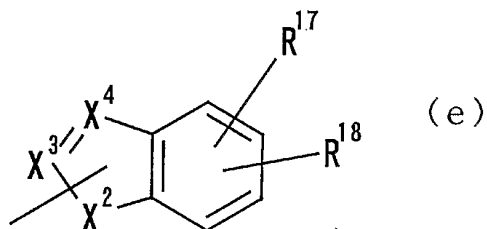
(in this group,  $R^9$  and  $R^{10}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonyl alkyl group),



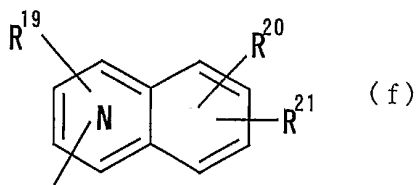
(in this group,  $R^{11}$ ,  $R^{12}$  and  $R^{13}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonyl alkyl group),



(in this group,  $X^1$  denotes  $CH_2$ ,  $CH$ ,  $NH$ ,  $NOH$ ,  $N$ ,  $O$  or  $S$ , and  $R^{14}$ ,  $R^{15}$  and  $R^{16}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonyl alkyl group),

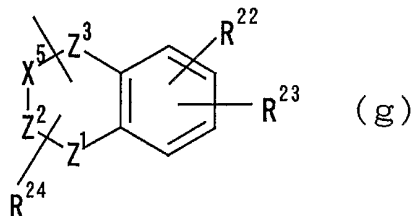


(in this group,  $X^2$  denotes  $NH$ ,  $N$ ,  $O$  or  $S$ ,  $X^3$  denotes  $N$ ,  $C$  or  $CH$ ,  $X^4$  denotes  $N$ ,  $C$  or  $CH$ , and  $R^{17}$  and  $R^{18}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonyl alkyl group. Wherein the case that  $X^3$  and  $X^4$  are the combination of  $C$  and  $CH$  or are both  $C$  or  $CH$  is excluded),

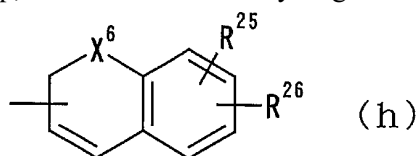


(in this group,  $N$  denotes that 1 or 2 of carbon atom of a ring in which  $R^{19}$  is substituted is substituted with nitrogen atom, and  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group,

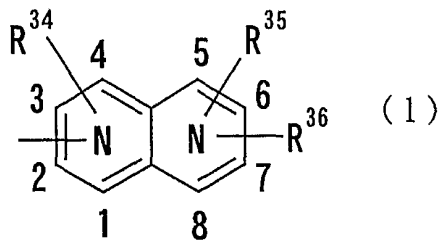
carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



(in this group,  $X^5$  denotes  $CH_2$ ,  $CH$ ,  $N$  or  $NH$ ,  $Z^1$  denotes  $N$ ,  $NH$  or  $O$ ,  $Z^2$  denotes  $CH_2$ ,  $CH$ ,  $C$  or  $N$ ,  $Z^3$  denotes  $CH_2$ ,  $CH$ ,  $S$ ,  $SO_2$  or  $C=O$ ,  $X^5-Z^2$  denotes that  $X^5$  and  $Z^2$  are bonded with single bond or double bond,  $R^{22}$  and  $R^{23}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group, and  $R^{24}$  denotes hydrogen atom or alkyl group),



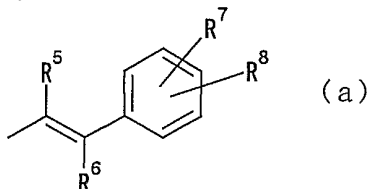
(in this group,  $X^6$  denotes  $O$  or  $S$ , and  $R^{25}$  and  $R^{26}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group), or



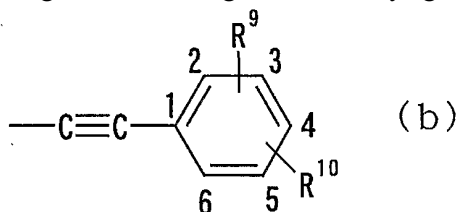
(in this group, the number 1-8 denote positions, each N denotes that any one of carbon atom at 1-4 and any one of carbon atom at 5-8 is respectively substituted by one nitrogen atom,  $R^{34}$ ,  $R^{35}$  and  $R^{36}$  each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-

alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group), and salts thereof, solventate thereof or N-oxide thereof.

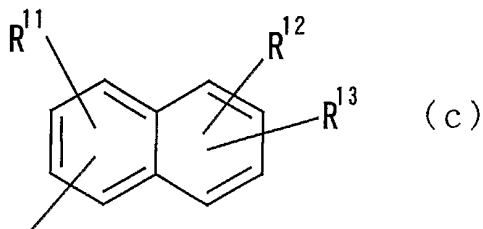
25. A compound in accordance with any one of Claims 17-21, wherein Q<sup>4</sup> is



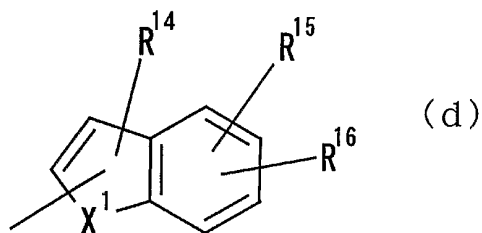
(in this group, R<sup>5</sup> and R<sup>6</sup> each independently denote hydrogen atom or alkyl group, R<sup>7</sup> denotes hydrogen atom and R<sup>8</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



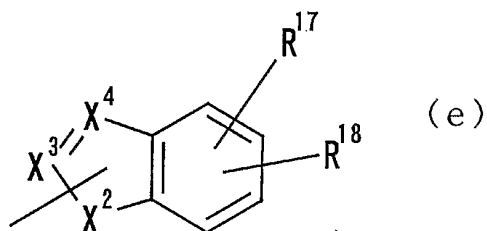
(in this group, R<sup>9</sup> denotes hydrogen atom and R<sup>10</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



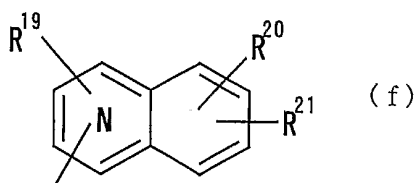
(in this group, R<sup>11</sup> and R<sup>12</sup> both denote hydrogen atom and R<sup>13</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



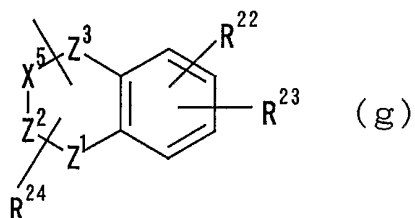
(in this group, X<sup>1</sup> denotes NH, NOH, N, O or S, R<sup>14</sup> denotes hydrogen atom, halogen atom, acyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group or alkyl group, R<sup>15</sup> denotes hydrogen atom or halogen atom and R<sup>16</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



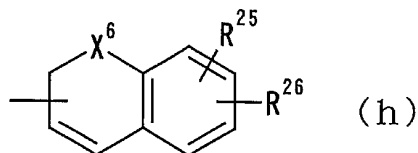
(in this group,  $X^2$  denotes NH, O or S,  $X^3$  denotes N, C or CH,  $X^4$  denotes N, C or CH,  $R^{17}$  denotes hydrogen atom and  $R^{18}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group. Wherein the case that  $X^3$  and  $X^4$  are the combination of C and CH or are both C or CH is excluded),



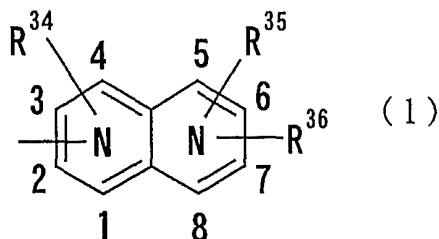
(in this group, N denotes that 1 or 2 of carbon atom of a ring in which  $R^{19}$  is substituted is substituted with nitrogen atom,  $R^{19}$  and  $R^{20}$  both denote hydrogen atom and  $R^{21}$  denotes hydrogen atom, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group or halogeno alkyl group),



(in this group,  $X^5$  denotes  $CH_2$ , CH, N or NH,  $Z^1$  denotes N, NH or O,  $Z^2$  denotes  $CH_2$ , CH, C or N,  $Z^3$  denotes  $CH_2$ , CH, S,  $SO_2$  or  $C=O$ ,  $X^5-Z^2$  denotes that  $X^5$  and  $Z^2$  are bonded with single bond or double bond,  $R^{22}$  denotes hydrogen atom,  $R^{23}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group and  $R^{24}$  denotes hydrogen atom),



(in this group,  $X^6$  denotes O,  $R^{25}$  denotes hydrogen atom and  $R^{26}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



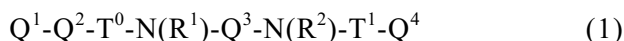
(in this group, the number 1-8 denote positions, each N denotes that any one of carbon atom at 1-4 and any one of carbon atom at 5-8 is respectively substituted by one nitrogen atom,  $R^{34}$  denotes hydrogen atom or halogen atom,  $R^{35}$  denotes hydrogen atom or halogen atom and  $R^{36}$  denotes hydrogen atom, halogen atom, alkyl group or alkynyl group), and salts thereof, solventate thereof or N-oxide thereof.

26. A compound in accordance with any one of Claims 17-21, wherein  $Q^4$  is 4-chloro styryl group, 4-fluoro styryl group, 4-bromo styryl group, 4-ethinyl styryl group, 4-chlorophenyl-ethynyl group, 4-fluorophenyl-ethynyl group, 4-bromo phenyl-ethynyl group, 4-ethinyl phenyl-ethynyl group, 6-chloro-2-naphthyl group, 6-fluoro-2-naphthyl group, 6-bromo-2-naphthyl group, 6-ethinyl-2-naphthyl group, 7-chloro-2-naphthyl group, 7-fluoro-2-naphthyl group, 7-bromo-2-naphthyl group, 7-ethinyl-2-naphthyl group, 5-chloro indol-2-yl group, 5-fluoro indol-2-yl group, 5-bromo indol-2-yl group, 5-ethinyl indol-2-yl group, 5-methylindol-2-yl group, 5-chloro-4-fluoro indol-2-yl group, 5-chloro-3-fluoro indol-2-yl group, 3-bromo-5-chloroindol-2-yl group, 3-chloro-5-fluoro indol-2-yl group, 3-bromo-5-fluoro indol-2-yl group, 5-bromo-3-chloroindol-2-yl group, 5-bromo-3-fluoro indol-2-yl group, 5-chloro-3-formylindol-2-yl group, 5-fluoro-3-formylindol-2-yl group, 5-bromo-3-formylindol-2-yl group, 5-ethinyl-3-formylindol-2-yl group, 5-chloro-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 5-fluoro-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 5-bromo-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 5-ethinyl-3-(N,N-dimethylcarbamoyl) indol-2-yl group, 6-chloroindol-2-yl group, 6-fluoro indol-2-yl group, 6-bromo indol-2-yl group, 6-ethinyl indol-2-yl group, 6-methylindol-2-yl group, 5-chlorobenzo thiophen-2-yl group, 5-fluorobenzo thiophen-2-yl group, 5-bromo benzo thiophen-2-yl group, 5-ethinyl benzo thiophen-2-yl group, 5-methylbenzo thiophen-2-yl group, 5-chloro-4-fluorobenzo thiophen-2-yl group, 6-chlorobenzo thiophen-2-yl group, 6-fluorobenzo thiophen-2-yl group, 6-bromo benzo thiophen-2-yl group, 6-ethinyl benzo thiophen-2-yl group, 6-methylbenzo thiophen-2-yl group, 5-chlorobenzofuran-2-yl group, 5-fluorobenzofuran-2-yl group, 5-bromo benzofuran-2-yl group, 5-ethinyl benzofuran-2-yl group, 5-methylbenzofuran-2-yl group, 5-chloro-4-fluorobenzofuran-2-yl group, 6-chlorobenzofuran-2-yl group, 6-fluorobenzofuran-2-yl group, 6-bromo benzofuran-2-yl group, 6-ethinyl benzofuran-2-yl group, 6-methylbenzofuran-2-yl group, 5-chlorobenzo

imidazol-2-yl group, 5-fluorobenzo imidazol-2-yl group, 5-bromo benzimidazol-2-yl group, 5-ethinyl benzimidazol-2-yl group, 6-chloroquinoline-2-yl group, 6-fluoro quinoline-2-yl group, 6-bromo quinoline-2-yl group, 6-ethinyl quinoline-2-yl group, 7-chloroquinoline-3-yl group, 7-fluoro quinoline-3-yl group, 7-bromo quinoline-3-yl group, 7-ethinyl quinoline-3-yl group, 7-chloroisoquinoline-3-yl group, 7-fluoro isoquinoline-3-yl group, 7-bromo isoquinoline-3-yl group, 7-ethinyl isoquinoline-3-yl group, 7-chloro cinnoline-3-yl group, 7-fluoro cinnoline-3-yl group, 7-bromo cinnoline-3-yl group, 7-ethinyl cinnoline-3-yl group, 7-chloro-2H-chromen-3-yl group, 7-fluoro-2H-chromen-3-yl group, 7-bromo-2H-chromen-3-yl group, 7-ethinyl-2H-chromen-3-yl group, 6-chloro-1,4-dihydroquinolin-4-one-2-yl group, 6-fluoro-1,4-dihydroquinolin-4-one-2-yl group, 6-bromo-1,4-dihydroquinolin-4-one-2-yl group, 6-ethinyl-1,4-dihydroquinolin-4-one-2-yl group, 6-chloro-1,4-dihydroquinazolin-4-one-2-yl group, 6-fluoro-1,4-dihydroquinazolin-4-one-2-yl group, 6-bromo-1,4-dihydroquinazolin-4-one-2-yl group, 6-ethinyl-1,4-dihydroquinazolin-4-one-2-yl group, 2-chloro-thieno [2,3-b] pyrrole-5-yl group, 2-fluoro-thieno [2,3-b] pyrrole-5-yl group, 2-bromo-thieno [2,3-b] pyrrole-5-yl group or 2-ethinyl-thieno [2,3-b] pyrrole-5-yl group, and salts thereof, solventate thereof or N-oxide thereof.

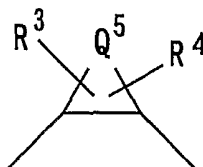
27. A compound in accordance with any one of Claims 17-26, wherein T<sup>1</sup> is carbonyl group,

28. A compound in accordance with Claim 1 represented by general formula (1)



(wherein, R<sup>1</sup> and R<sup>2</sup> each independently denote hydrogen atom, hydroxy group, alkyl group or alkoxy group,

Q<sup>1</sup> denotes saturated or unsaturated 5-6 membered cyclic hydrocarbon group which may have substituent, saturated or unsaturated 5-7 membered heterocyclic group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or saturated or unsaturated bicyclic or tricyclic condensed polycyclic group which may have substituent, Q<sup>2</sup> is a single bond, divalent saturated or unsaturated 5-6 membered cyclic hydrocarbon group which may have substituent, divalent saturated or unsaturated 5-7 membered heterocyclic group, divalent saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or divalent saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent, Q<sup>3</sup> denotes a following group



(in this group, Q<sup>5</sup> denotes 1-8 C alkylene group, 2-8 C alkenylene group or group -(CH<sub>2</sub>)<sub>m</sub>-CH<sub>2</sub>-A-CH<sub>2</sub>-(CH<sub>2</sub>)<sub>n</sub>- (in this group, m and n each independently denote an integer of 0, 1-3, and A denotes oxygen atom, nitrogen atom, sulfur atom, -SO-, SO<sub>2</sub>-, -NH-, -O-NH-, -NH-NH-, -S-NH-, -SO-NH- or -SO<sub>2</sub>-NH-)),

R<sup>3</sup> and R<sup>4</sup> are substituted on carbon atom on a ring including Q<sup>5</sup> and each independently denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, cyano group, cyano alkyl group, amino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino-group which may have substituent, alkoxyimino group, hydroxyimino group, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl group, alkoxy carbonyl alkyl group, alkoxy carbonyl alkylamino group, carboxyalkyl amino group, alkoxy carbonylamino group, alkoxy carbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, carbazoyl group optionally-substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, carbamoyl alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, 3-6 membered heterocyclic carbonyl alkyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, aryl group, aralkyl group, heteroaryl group, heteroaryl alkyl group, alkylsulfonyl amino group, arylsulfonylamino group, alkylsulfonyl amino alkyl group, arylsulfonylamino alkyl group, alkylsulfonyl aminocarbonyl group, arylsulfonylamino carbonyl group, alkylsulfonyl aminocarbonyl alkyl group, arylsulfonylamino carbonyl alkyl group, oxo group, carbamoyloxy group, aralkyloxy group, carboxyalkyl oxy group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxy carbonyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxy carbonyl acyl group, alkoxyalkyl oxycarbonyl group, hydroxy acyl group, alkoxy acyl group, halogeno acyl group, carboxy acyl group, aminoacyl group, acyloxyacyl group, acyloxyalkyl sulphonyl group, hydroxyalkyl sulphonyl group, alkoxyalkyl

sulphonyl group, 3-6 membered heterocyclic sulphonyl group which may have substituent, N-alkylamino acyl group, N,N-dialkylamino acyl group, N,N-dialkyl carbamoyl acyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkylsulfonyl group which may have substituent on alkyl group or alkylsulfonyl acyl group, or R<sup>3</sup> and R<sup>4</sup> are bonded together and denote 1-5 C alkylene group, 2-5 C alkenylene group, 1-5 C alkylene dihydroxy group or carbonyldioxy group),

Q<sup>4</sup> denotes aryl group which may have substituent, aryl alkenyl group which may have substituent, aryl alkynyl group which may have substituent, heteroaryl group which may have substituent, heteroaryl alkenyl group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent,

T<sup>0</sup> denotes carbonyl group or thiocarbonyl group,

T<sup>1</sup> denotes group -C(=O)-C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')-, group -C(=S)-C(=S)-N(R')- (in this group, R' denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), group -C(=O)-A<sup>1</sup>-N(R'')- (in this group, A<sup>1</sup> denotes 1-5 C alkylene group which may have substituent and R'' denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), group -C(=O)-NH-, group -C(=S)-NH-, group -C(=O)-NH-NH-, group -C(=O)-A<sup>2</sup>-C(=O)- (in this group, A<sup>2</sup> denotes single bond or 1-5 C alkylene group), group -C(=O)-A<sup>3</sup>-C(=O)-NH- (in this group, A<sup>3</sup> denotes 1-5 C alkylene group), group -C(=O)-C(=NOR<sup>a</sup>)-N(R<sup>b</sup>)-, group -C(=S)-C(=NOR<sup>a</sup>)-N(R<sup>b</sup>)- (in this group, R<sup>a</sup> denotes hydrogen atom, alkyl group or alkanoyl group, and R<sup>b</sup> denotes hydrogen atom, hydroxy group, alkyl group or alkoxy group), group -C(=O)-N=N-, group -C(=S)-N=N- or thiocarbonyl group), and salts thereof, solventate thereof or N-oxide thereof.

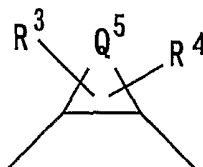
29. A compound in accordance with Claim 28, wherein Q<sup>1</sup> is saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have substituent or saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent, and Q<sup>2</sup> is a single bond, and salts thereof, solventate thereof or N-oxide thereof.

30. A compound in accordance with Claim 28 or 29, wherein Q<sup>1</sup> denotes thieno pyridyl group which may have substituent, tetrahydrothieno pyridyl group which may have substituent, thiazolo pyridyl group which may have substituent, tetrahydrothiazolo pyridyl group which may have substituent, thiazolo pyridazinyl group which may have substituent, tetrahydrothiazolo pyridazinyl group which may have substituent, pyrano thiazolyl group which may have substituent, dihydropyrano thiazolyl group which may have substituent, furo pyridyl group which may have substituent, tetrahydrofuro pyridyl

group which may have substituent, oxazolo pyridyl group which may have substituent, tetrahydrooxazolo pyridyl group which may have substituent, pyrrolo pyridyl group which may have substituent, dihydropyrolopyridyl group which may have substituent, tetrahydropyrrolo pyridyl group which may have substituent, pyrrolo pyrimidinyl group which may have substituent, dihydropyrrolo pyrimidinyl group which may have substituent, oxazolo pyridazinyl group which may have substituent, tetrahydrooxazolo pyridazinyl group which may have substituent, pyrrolo thiazolyl group which may have substituent, dihydropyrrolo thiazolyl group which may have substituent, pyrrolo oxazolyl group which may have substituent, dihydropyrrolo oxazolyl group which may have substituent, benzothiazolyl group which may have substituent, tetrahydrobenzo thiazolyl group which may have substituent, thiazolo pyrimidinyl group which may have substituent, dihydrothiazolo pyrimidinyl group which may have substituent, benzo azepinyl group which may have substituent, tetrahydrobenzo azepinyl group which may have substituent, thiazolo azepinyl group which may have substituent, tetrahydrothiazolo azepinyl group which may have substituent, thieno azepinyl group which may have substituent, tetrahydrothieno azepinyl group which may have substituent, 4,5,6,7-tetrahydro-5,6-tetramethylene thiazolo pyridazinyl group which may have substituent or 5,6-trimethylene-4,5,6,7-tetrahydrothiazolo pyridazinyl group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

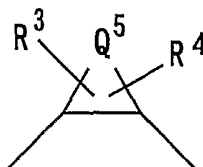
31. A compound in accordance with any one of Claims 28-30, wherein substituent on Q<sup>1</sup> is 1-3 groups selected from hydroxy group, halogen atom, halogeno alkyl group, amino group, cyano group, amidino group, hydroxy amidino group, C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>3</sup>-C<sup>6</sup> cycloalkyl C<sup>1</sup>-C<sup>6</sup> alkyl group, hydroxy C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkoxy group, C<sup>1</sup>-C<sup>6</sup> alkoxy C<sup>1</sup>-C<sup>6</sup> alkyl group, carboxyl group, C<sup>2</sup>-C<sup>6</sup> carboxyalkyl group, C<sup>2</sup>-C<sup>6</sup> alkoxy carbonyl C<sup>1</sup>-C<sup>6</sup> alkyl group, amidino group in which C<sup>2</sup>-C<sup>6</sup> alkoxy carbonyl group is substituted, C<sup>2</sup>-C<sup>6</sup> alkenyl group, C<sup>2</sup>-C<sup>6</sup> alkynyl group, C<sup>2</sup>-C<sup>6</sup> alkoxy carbonyl group, amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkylamino C<sup>1</sup>-C<sup>6</sup> alkyl group, di (C<sup>1</sup>-C<sup>6</sup> alkyl) amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>2</sup>-C<sup>6</sup> alkoxy carbonylamino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkanoyl group, C<sup>1</sup>-C<sup>6</sup> alkanoyl amino C<sup>1</sup>-C<sup>6</sup> alkyl group, C<sup>1</sup>-C<sup>6</sup> alkylsulfonyl group, C<sup>1</sup>-C<sup>6</sup> alkylsulfonyl amino C<sup>1</sup>-C<sup>6</sup> alkyl group, carbamoyl group, C<sup>1</sup>-C<sup>6</sup> alkylcarbamoyl group, N,N-di (C<sup>1</sup>-C<sup>6</sup> alkyl) carbamoyl group, C<sup>1</sup>-C<sup>6</sup> alkylamino group, di (C<sup>1</sup>-C<sup>6</sup> alkyl) amino group, 5-6 membered heterocyclic group including 1 or 2 same or different nitrogen, oxygen or sulphur atoms, 5-6 membered heterocyclic group-C<sup>1</sup>-C<sup>4</sup> alkyl group and 5-6 membered heterocyclic group-amino-C<sup>1</sup>-C<sup>4</sup> alkyl group, and salts thereof, solventate thereof or N-oxide.

32. A compound in accordance with any one of Claims 28-31, wherein Q<sup>3</sup> denotes



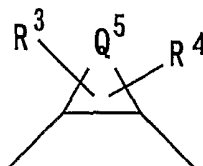
(in this group, Q<sup>5</sup> denotes 3-6 C alkylene group or group  $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$  (in this group, m and n each independently denote 0 or 1 and A is the same as above) and R<sup>3</sup> and R<sup>4</sup> are each independently and denote hydrogen atom, hydroxy group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogeno alkyl group, amino group, hydroxyimino group, alkoxyimino group, amino alkyl group, N-alkylamino alkyl group, N,N-dialkylaminoalkyl group, acyl group, acyl alkyl group, acylimino group which may have substituent, acylamino alkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonyl alkyl group, alkoxycarbonylamino group, alkoxycarbonylamino alkyl group, carbamoyl group, N-alkylcarbamoyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl group which may have substituent on alkyl group, N-alkenyl carbamoyl group, N-alkenyl carbamoyl alkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoyl alkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoyl alkyl group, N-alkyl-N-alkoxy carbamoyl alkyl group, carbazoyl group optionally substituted by 1-3 alkyl group, alkylsulfonyl group, alkylsulfonyl alkyl group, 3-6 membered heterocyclic carbonyl group which may have substituent, 3-6 membered heterocyclic carbonyl oxy alkyl group which may have substituent, carbamoyl alkyl group, carbamoyloxy alkyl group, N-alkylcarbamoyl oxy alkyl group, N,N-dialkyl carbamoyloxy alkyl group, N-alkylcarbamoyl alkyl group which may have substituent on alkyl group, N,N-dialkyl carbamoyl alkyl group which may have substituent on alkyl group, alkylsulfonyl amino group, alkylsulfonyl amino alkyl group, oxo group, acyl oxy group, acyloxyalkyl group, aryl sulphonyl group, alkoxycarbonyl alkylsulfonyl group, carboxyalkyl sulphonyl group, alkoxycarbonyl acyl group, carboxy acyl group, alkoxyalkyl oxycarbonyl group, halogeno acyl group, N,N-dialkylamino acyl group, acyloxyacyl group, hydroxy acyl group, alkoxy acyl group, alkoxyalkyl sulphonyl group, N,N-dialkyl carbamoyl acyl group, N,N-dialkyl carbamoyl alkylsulfonyl group or alkylsulfonyl acyl group), and salts thereof, solventate thereof or N-oxide.

33. A compound in accordance with any one of Claims 28-31, wherein Q<sup>3</sup> is



(in this group, Q<sup>5</sup> denotes 4 C alkylene group, R<sup>3</sup> denotes hydrogen atom and R<sup>4</sup> denotes N,N-dialkyl carbamoyl group which may have substituent on alkyl group), and salts thereof, solventate thereof or N-oxide thereof.

34. A compound in accordance with any one of Claims 28-31, wherein Q<sup>3</sup> is



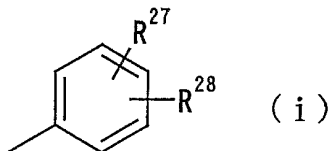
(in this group, Q<sup>5</sup> denotes 4 C alkylene group, R<sup>3</sup> denotes hydrogen atom and R<sup>4</sup> denotes N,N-dimethylcarbamoyl group), and salts thereof, solventate thereof or N-oxide thereof.

35. A compound in accordance with any one of Claims 28-34, wherein Q<sup>4</sup> is a group selected from phenyl group which may have substituent, pyridyl group which may have substituent, pyridazinyl group which may have substituent, furyl group which may have substituent, thienyl group which may have substituent, pyrrolyl group which may have substituent, thiazolyl group which may have substituent, oxazolyl group which may have substituent, pyrimidinyl group which may have substituent and tetrazolyl group which may have substituent, and salts thereof, solventate thereof or N-oxide thereof.

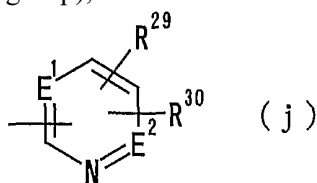
36. A compound in accordance with any one of Claims 28-35, wherein substituent on Q<sup>4</sup> is 1-3 groups selected from hydroxy group, halogen atom, halogeno alkyl group, amino group, cyano group, amino alkyl group, nitro group, hydroxyalkyl group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl alkyl group, acyl group, amidino group, hydroxy amidino group, straight chain, branched or cyclic 1-6 C alkyl group, straight chain, branched or cyclic 1-6 C alkoxy group, amidino group in which straight chain, branched or cyclic 2-7 C alkoxy carbonyl group is substituted, straight chain, branched or cyclic 2-6 C alkenyl group, straight chain or branched 2-6 C alkynyl group, straight chain, branched or cyclic 2-6 C alkoxy carbonyl group, carbamoyl group, mono or dialkyl carbamoyl group in which straight chain, branched or cyclic 1-6 C alkyl group is substituted on nitrogen atom, mono or

dialkylamino group substituted by straight chain, branched or cyclic 1-6 C alkyl group and 5-6 membered nitrogen containing heterocyclic group, and salts thereof, solventate thereof or N-oxide

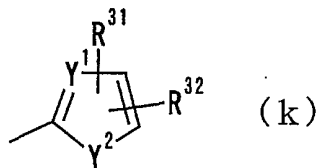
37. A compound oxide in accordance with any one of Claims 28-34, wherein Q<sup>4</sup> denotes



(in this group, R<sup>27</sup> and R<sup>28</sup> each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



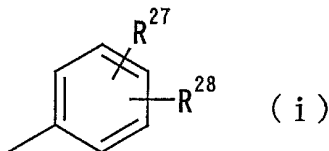
(in this group, E<sup>1</sup> and E<sup>2</sup> each independently denote N or CH, and R<sup>29</sup> and R<sup>30</sup> each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group),



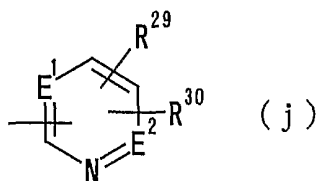
(in this group, Y<sup>1</sup> denotes CH or N, Y<sup>2</sup> denotes N(R<sup>33</sup>)- (in this group, R<sup>33</sup> denotes hydrogen atom or 1-6 C alkyl group), O or S, and R<sup>31</sup> and R<sup>32</sup> each independently denote hydrogen atom, hydroxy group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogeno alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkyl carbamoyl

group, alkoxy carbonyl group, amidino group or alkoxy carbonyl alkyl group), and salts thereof, solventate thereof or N-oxide.

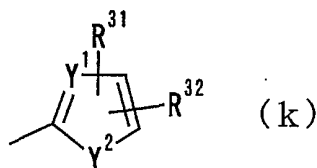
38. A compound in accordance with any one of Claims 28-34, wherein Q<sup>4</sup> denotes



(in this group, R<sup>27</sup> denotes hydrogen atom or halogen atom and R<sup>28</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group),



(in this group, E<sup>1</sup> and E<sup>2</sup> each independently denote N or CH, R<sup>29</sup> denotes hydrogen atom or halogen atom, and R<sup>30</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group), or



(in this group, Y<sup>1</sup> denotes CH or N, Y<sup>2</sup> denotes N(R<sup>33</sup>)- (in this group, R<sup>33</sup> denotes hydrogen atom or 1-6 C alkyl group), O or S, R<sup>31</sup> denotes hydrogen atom or halogen atom, and R<sup>32</sup> denotes hydrogen atom, halogen atom, alkyl group or alkynyl group), and salts thereof, solventate thereof or N-oxide thereof.

39. A compound in accordance with any one of Claims 28-34 comprising 4-chlorophenyl group, 4-fluorophenyl group, 4-bromo phenyl group, 4-ethinyl phenyl group, 3-chlorophenyl group, 3-fluorophenyl group, 3-bromo phenyl group, 3-ethinyl phenyl group, 3-chloro-4-fluorophenyl group, 4-chloro-3-fluorophenyl group, 4-chloro-2-fluorophenyl group, 2-chloro-4-fluorophenyl group, 4-bromo-2-fluorophenyl group, 2-bromo-4-fluorophenyl group, 2,4-dichlorophenyl group, 2,4-difluorophenyl group, 2,4-dibromo phenyl group, 4-chloro-3-methylphenyl group, 4-fluoro-3-methylphenyl group, 4-bromo-3-methylphenyl group, 4-chloro-2-methylphenyl group, 4-fluoro-2-methylphenyl group, 4-bromo-2-methylphenyl group, 3,4-dichlorophenyl group, 3,4-difluorophenyl group, 3,4-dibromo phenyl

group, 2-pyridyl group, 3-pyridyl group, 4-pyridyl group, 4-chloro-2-pyridyl group, 4-fluoro-2-pyridyl group, 4-bromo-2-pyridyl group, 4-ethinyl-2-pyridyl group, 4-chloro-3-pyridyl group, 4-fluoro-3-pyridyl group, 4-bromo-3-pyridyl group, 4-ethinyl-3-pyridyl group, 5-chloro-2-pyridyl group, 5-fluoro-2-pyridyl group, 5-bromo-2-pyridyl group, 5-ethinyl-2-pyridyl group, 4-chloro-5-fluoro-2-pyridyl group, 5-chloro-4-fluoro-2-pyridyl group, 5-chloro-3-pyridyl group, 5-fluoro-3-pyridyl group, 5-bromo-3-pyridyl group, 5-ethinyl-3-pyridyl group, 6-chloro-3-pyridazinyl group, 6-fluoro-3-pyridazinyl group, 6-bromo-3-pyridazinyl group, 6-ethinyl-3-pyridazinyl group, 5-chloro-2-thiazolyl group, 5-fluoro-2-thiazolyl group, 5-bromo-2-thiazolyl group or 5-ethinyl-2-thiazolyl group, and salts thereof, solventate thereof or N-oxide thereof.

40. A compound in accordance with any one of Claims 28-39, wherein T<sup>1</sup> is group -C(=O)-(=O)-N(R')-, group -C(=S)-(=O)-N(R')-, group -C(=O)-(=S)-N(R')- or group -C(=S)-C(=S)-N(R')-, and salts thereof, solventate thereof or N-oxide thereof.

41. A drug which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

42. An activated blood coagulating factor X inhibitor which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

43. A blood clotting inhibitor which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

44. A prevention and/or therapeutic agent of thrombus or embolus which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

45. A prevention and/or therapeutic agent of cerebral infarction, cerebral embolism, cardiac infarction, angina pectoris, pulmonary infarction, pulmonary embolus, Buerger's disease, deep vein thrombosis, disseminated intravascular coagulation syndrome, thrombogenesis after synthetic valve / articulation substitution, thrombogenesis and reocclusion after blood circulation reconstruction, systemic inflammatory reaction syndrome (SIRS), poly organ insufficiency (MODS), thrombogenesis in extracorporeal circulation or blood clotting in collection of blood which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

46. A medicinal composition which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof and pharmacologically acceptable carrier.

47. Use for drug production of the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

48. Use for activated blood coagulating factor X inhibitor production of the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

49. Use for blood clotting inhibitor production of the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

50. Use for the production of prevention and/or therapeutic agent of thrombus or embolus of the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

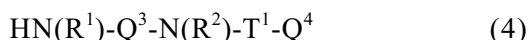
51. Use for the production of prevention and/or therapeutic agent of cerebral infarction, cerebral embolism, cardiac infarction, angina pectoris, pulmonary infarction, pulmonary embolus, Buerger's disease, deep vein thrombosis, disseminated intravascular coagulation syndrome, thrombogenesis after synthetic valve / articulation substitution, thrombogenesis and reocclusion after blood circulation reconstruction, systemic inflammatory reaction syndrome (SIRS), poly organ insufficiency (MODS), thrombogenesis in extracorporeal circulation or blood clotting in collection of blood which is containing the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof.

52. A treatment process of thrombus or embolus comprising the administration of the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof in an effective dose.

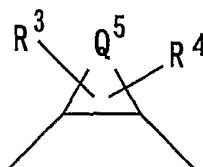
53. A treatment process of cerebral infarction, cerebral embolism, cardiac infarction, angina pectoris, pulmonary infarction, pulmonary embolus, Buerger's disease, deep vein thrombosis, disseminated intravascular coagulation syndrome, thrombogenesis after synthetic valve / articulation substitution,

thrombogenesis and reocclusion after blood circulation reconstruction, systemic inflammatory reaction syndrome (SIRS), poly organ insufficiency (MODS), thrombogenesis in extracorporeal circulation or blood clotting in collection of blood comprising the administration of the compound in accordance with any one of Claims 1-40, salts thereof, solventate thereof or N-oxide thereof in an effective dose.

54. A compound represented by the following general formula (4)

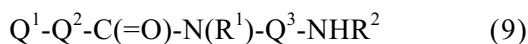


(in the formula,  $\text{R}^1$ ,  $\text{R}^2$  and  $\text{T}^1$  have the same meanings as in Claim 1,  $\text{Q}^3$  denotes the following group

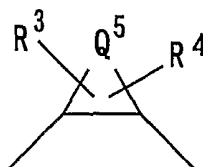


(in the group,  $\text{Q}^5$ ,  $\text{R}^3$  and  $\text{R}^4$  have the same meanings as in Claim 1) and  $\text{Q}^4$  denotes aryl group which may have substituent, heteroaryl group which may have substituent, saturated or unsaturated bicyclic or tricyclic hydrocarbon group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent), salts thereof, solventate thereof or N-oxide thereof.

55. A compound represented by the following general formula (9)

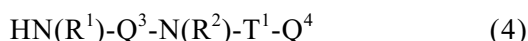


(in the formula,  $\text{Q}^2$ ,  $\text{R}^1$  and  $\text{R}^2$  have the same meanings as in Claim 1,  $\text{Q}^1$  denotes saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent and  $\text{Q}^3$  denotes the following group

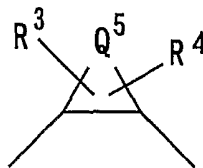


(in the group,  $\text{Q}^5$ ,  $\text{R}^3$  and  $\text{R}^4$  have the same meanings as in Claim 1)), salts thereof, solventate thereof or N-oxide thereof.

56. A compound represented by the following general formula (4)

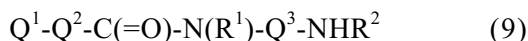


(in the formula,  $R^1$ ,  $R^2$  and  $T^1$  have the same meanings as in Claim 17,  
 $Q^3$  denotes the following group

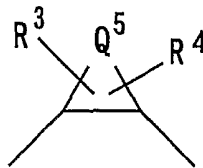


(in the group,  $Q^5$ ,  $R^3$  and  $R^4$  have the same meanings as in Claim 17) and  $Q^4$  denotes aryl group which may have substituent, heteroaryl group which may have substituent, saturated or unsaturated bicyclic or tricyclic hydrocarbon group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent), salts thereof, solvate thereof or N-oxide thereof.

57. A compound represented by the following general formula (9)

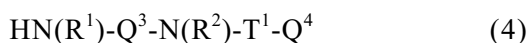


(in the formula,  $Q^2$ ,  $R^1$  and  $R^2$  have the same meanings as in Claim 17,  $Q^1$  denotes saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent and  $Q^3$  denotes the following group

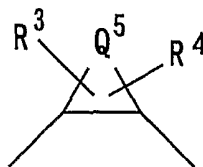


(in the group,  $Q^5$ ,  $R^3$  and  $R^4$  have the same meanings as in Claim 17)), salts thereof, solvate thereof or N-oxide thereof.

58. A compound represented by the following general formula (4)

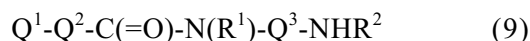


(in the formula,  $R^1$ ,  $R^2$  and  $T^1$  have the same meanings as in Claim 28,  
 $Q^3$  denotes the following group

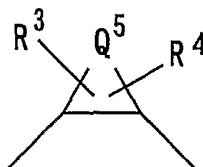


(in the group,  $Q^5$ ,  $R^3$  and  $R^4$  have the same meanings as in Claim 28) and  $Q^4$  denotes aryl group which may have substituent, heteroaryl group which may have substituent, saturated or unsaturated bicyclic or tricyclic hydrocarbon group which may have substituent, saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent), salts thereof, solventate thereof or N-oxide thereof.

59. A compound represented by the following general formula (9)



(in the formula,  $Q^2$ ,  $R^1$  and  $R^2$  have the same meanings as in Claim 28,  $Q^1$  denotes saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have substituent and  $Q^3$  denotes the following group



(in the group,  $Q^5$ ,  $R^3$  and  $R^4$  have the same meanings as in Claim 28)), salts thereof, solventate thereof or N-oxide thereof.

Rising Sun Communications Ltd. Terms and Conditions

Rising Sun Communications Ltd. shall not in any circumstances be liable or responsible for the accuracy or completeness of any translation unless such an undertaking has been given and authorised by Rising Sun Communications Ltd. in writing beforehand. More particularly, Rising Sun Communications Ltd. shall not in any circumstances be liable for any direct, indirect, consequential or financial loss or loss of profit resulting directly or indirectly from the use of any translation or consultation services by the customer.

Rising Sun Communications Ltd. retains the copyright to all of its' translation products unless expressly agreed in writing to the contrary. The original buyer is permitted to reproduce copies of a translation for their own corporate use at the site of purchase, however publication in written or electronic format for resale or other dissemination to a wider audience is strictly forbidden unless by prior written agreement.