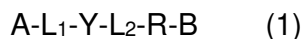


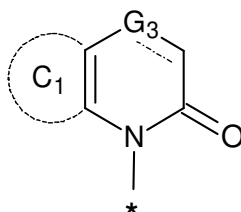
## CLAIMS

1. A compound of formula (1):



wherein

5 A is a cyclic group having the following formula (II):



(II)

wherein

10  $G_3$  is CH or N when the dashed line represents a double bond, or  $CH_2$ , NH or O when the dashed line represents a single bond;

15  $C_1$  represents the atoms necessary to form an aliphatic or aromatic six-membered cycle optionally comprising one or more heteroatom selected from nitrogen atom and oxygen atom, said cycle being optionally substituted by one or more substituent selected from the group consisting of halogen atom,  $(C_{1-3})$ alkyl group, cyano group, oxo group ( $=O$ ), and  $(C_{1-3})$ alkoxy group;

$L_1$  is  $\sigma$  bond, or  $(C_{1-3})$ alkylenyl group, optionally substituted with hydroxy group;

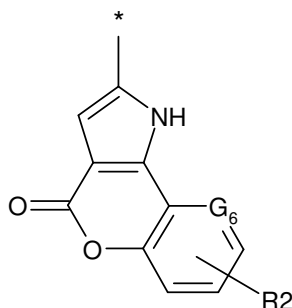
20 Y is a ring selected from the group consisting of piperidinyl, piperazinyl, pyrrolidinyl, 1-3 cyclobutyl, 1-3 cyclopentyl, 1-2 cyclopropyl, azetidiny, azabicyclo-octyl, morpholinyl and cyclohexyl ring, said ring being optionally substituted by one or more substituent selected from

the group consisting of hydroxy group, (C<sub>1-3</sub>)alkylenyl-OH group, (C<sub>1-3</sub>)alkylenyl-O-(C<sub>1-3</sub>)alkyl group, (C<sub>1-3</sub>)alkylenyl-CONR'R'' group, and CONR'R'' group, wherein R' and R'' are hydrogen atom or (C<sub>1-3</sub>)alkyl;

5 L<sub>2</sub> is  $\sigma$  bond, -(C<sub>1-3</sub>)alkylenyl- group, NR''' group, NR'''-(C<sub>1-3</sub>)alkylenyl group, (C<sub>1-3</sub>)alkylenyl-NR''' group, NR'''-(C<sub>1-3</sub>)alkylenyl-NR''' group, or (C<sub>1-3</sub>)alkylenyl-NR'''-(C<sub>1-3</sub>)alkylenyl group, said group being optionally substituted with a hydroxy group, wherein R''' is hydrogen, (C<sub>1-3</sub>)alkyl, (C<sub>1-3</sub>)alkylenyl-OH, (C<sub>1-3</sub>)alkylenyl-O-(C<sub>1-3</sub>)alkyl, or (C<sub>1-3</sub>)alkylenyl-CONR'R'', wherein R' and R'' are hydrogen atom or (C<sub>1-3</sub>)alkyl;

10 R is  $\sigma$  bond or heterocyclic ring, aliphatic or aromatic, having 5 members containing one or more nitrogen atoms, optionally substituted with CH<sub>2</sub>OH, CH<sub>2</sub>CN, CN or CONR'R'', wherein R' and R'' are hydrogen atom or (C<sub>1-3</sub>)alkyl; and

B is cyclic group having the following formula (VI):



15

(VI)

wherein

G<sub>6</sub> is CH or N;

R<sub>2</sub> is hydrogen atom or halogen atom;

20 and addition salts with pharmaceutically acceptable organic or inorganic acids or basis, enantiomers, N-oxides and quaternary ammonium salts of said compound of formula (1).

2. The compound according to claim 1, wherein R<sub>2</sub> is selected from the group consisting of a hydrogen atom, a fluorine atom, a chlorine atom, and a bromine atom.

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3. The compound according to claim 1, wherein R<sub>2</sub> is selected from the group consisting of a hydrogen atom and a fluorine atom.

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4. The compound according to claim 1, wherein L<sub>1</sub> is a  $\sigma$  bond or a methylene group (-CH<sub>2</sub>-).

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5. The compound according to claim 1, wherein L<sub>2</sub> is a  $\sigma$  bond, a (C<sub>1-3</sub>)alkylenyl group, NR''' group, -NR'''-(C<sub>1-3</sub>)alkylenyl group, (C<sub>1-3</sub>)alkylenyl-NR'''- group, -NR'''-(C<sub>1-3</sub>)alkylenyl-NR'''- group, or (C<sub>1-3</sub>)alkylenyl-NR'''-(C<sub>1-3</sub>)alkylenyl group, said group being optionally substituted with one or more hydroxy group.

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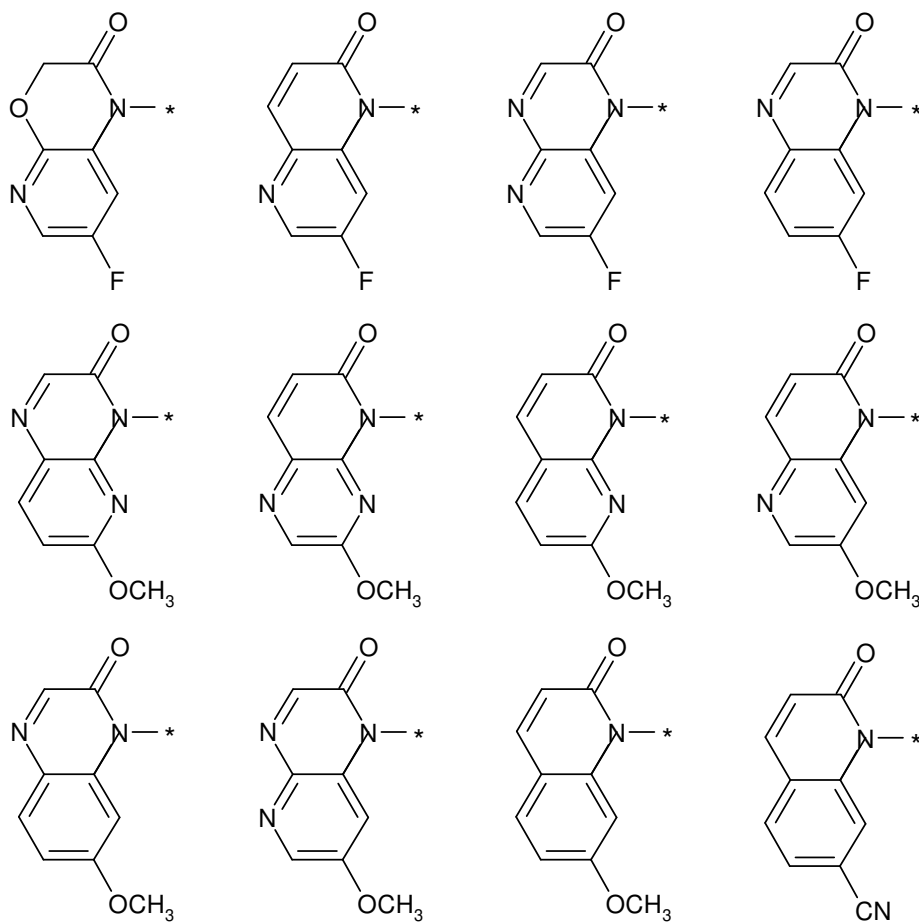
6. The compound according to claim 5, wherein L<sub>2</sub> is a  $\sigma$  bond, a (C<sub>1-2</sub>)alkylenyl group, NR''' group, -NR'''-(C<sub>1-2</sub>)alkylenyl group, (C<sub>1-2</sub>)alkylenyl-NR'''- group, -NR'''-(C<sub>1-2</sub>)alkylenyl-NR'''- group, or (C<sub>1-2</sub>)alkylenyl-NR'''-(C<sub>1-2</sub>)alkylenyl group, said group being optionally substituted with one hydroxy group.

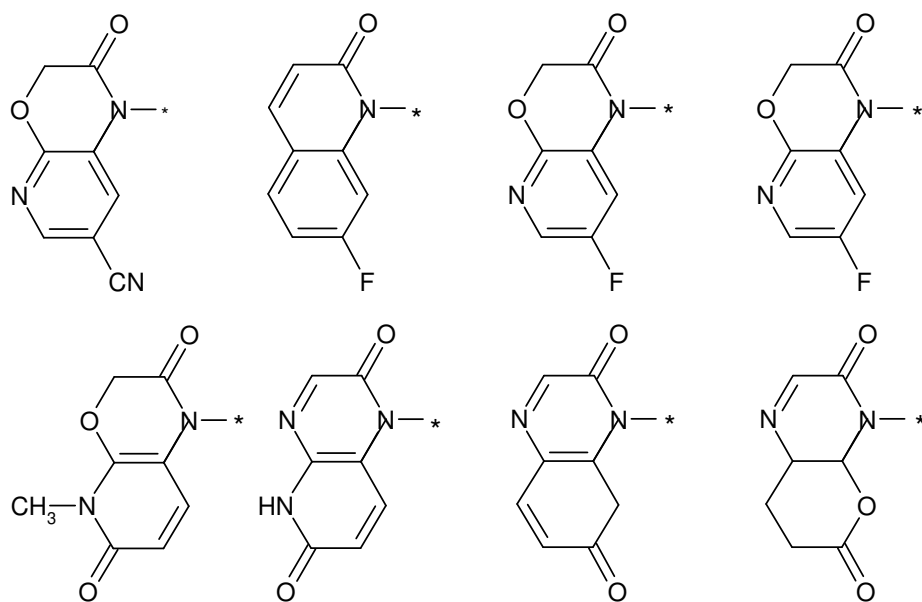
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7. The compound according to claim 1, wherein R is a  $\sigma$  bond or an aromatic heterocyclic ring having 5 members containing one or more nitrogen atoms, optionally substituted with CH<sub>2</sub>CN or CN.

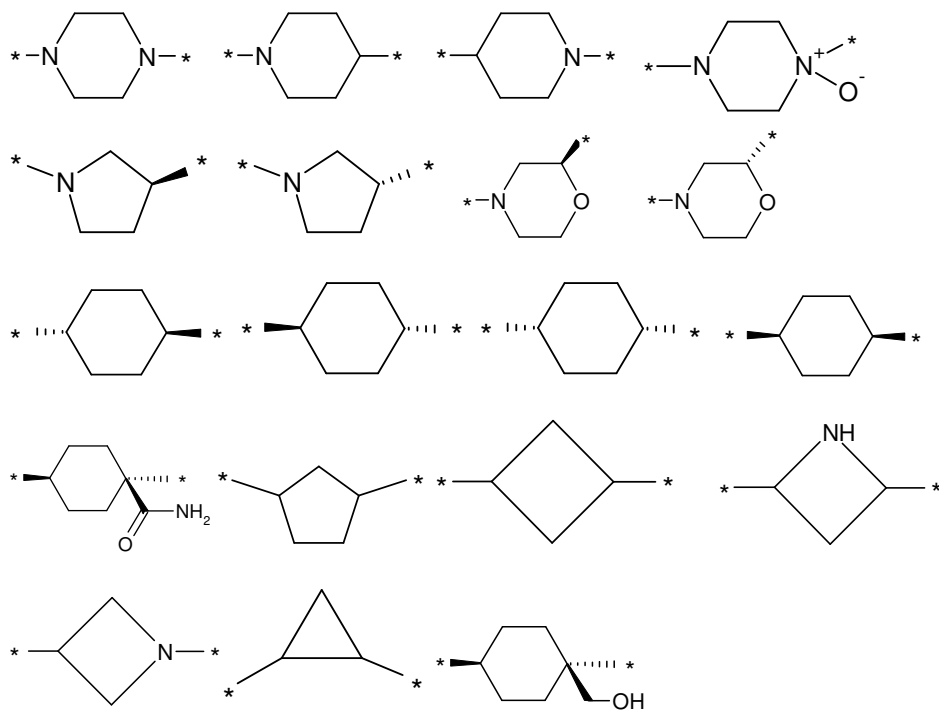
8. The compound according to claim 7, wherein R is a  $\sigma$  bond, a 1H-imidazol-4-yl group, or a 1H-pyrrol-2-yl group, optionally substituted with  $\text{CH}_2\text{CN}$  or CN

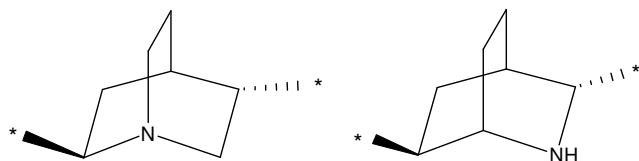
5      9. The compound according to claim 1, wherein A is a cyclic group having one of the following formulae:



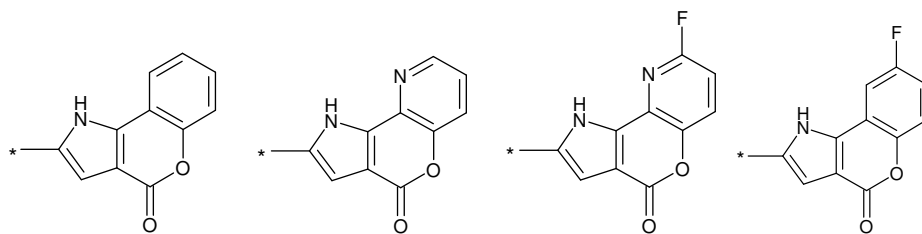


10. The compound according to claim 1, wherein Y is a ring having  
5 one of the following formulae:





11. The compound according to claim 1, wherein B is a cyclic group having one of the following formulae:



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12. A pharmaceutical composition comprising at least one compound of formula (1) according to any of the preceding claims 1 to 11, a salt thereof with a pharmaceutically acceptable organic or inorganic acid or with a pharmaceutically acceptable organic or inorganic base, an enantiomer thereof, a quaternary ammonium salt thereof, or a N-oxide thereof, and

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at least one inert pharmaceutically acceptable excipient.

13. The compound of formula (1) according to any of the preceding claims 1 to 11, for use in medicine.

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14. The compound of formula (1) according to any of the preceding claims 1 to 11, for use in the treatment of bacterial infections.

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- 5        15. The compound of formula (1) according to any of the preceding claims 1 to 11 for use according to claim 14, wherein said bacterial infections is selected from the group consisting of a skin infection, a mucosal infection, a gynecological infection, a respiratory tract infection (RTI), a CNS infections, a gastro-intestinal infection, a bone infection, a cardiovascular infection, a sexually transmitted infection, or a urinary tract infection.