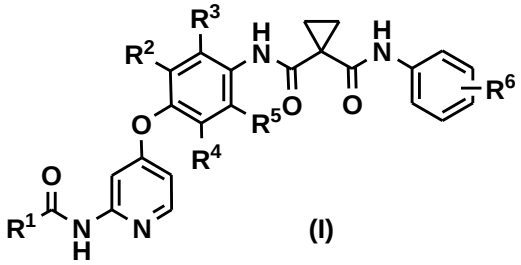
CLAIMS

1. A method for producing a compound or a salt thereof represented by a formula (I)



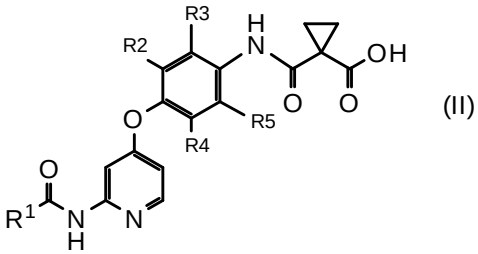
(I)

wherein R^1 is a 4-[3-(dimethylamino)azetidin-1-yl]piperidin-1-yl group, a 4-(4-methylpiperazin-1-yl)piperidin-1-yl group, a 3-hydroxyazetidin-1-yl group or a methyl(1-methylpiperidin-4-yl)amino group,

R^2, R^3, R^4 and R^5 may be the same or different and are each a hydrogen atom or a fluorine atom, and

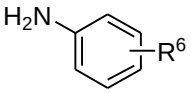
R^6 is a hydrogen atom or a halogen atom,

comprising reacting a compound or a salt thereof represented by a formula (II)



(II)

and an aniline derivative represented by a formula (III)



(III)

in water or a mixed solvent of water and an organic solvent in the presence of 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride and substantially in the absence of a base.

2. The production method according to claim 1, wherein R^1 is a 4-(4-methylpiperazin-1-yl)piperidin-1-yl group.

3. The production method according to claim 1~~ or 2~~, wherein R^2, R^4 and R^5 are each a hydrogen atom and R^3 is a fluorine atom.

4. The production method according to ~~any one of claims 1 to 3~~ claim 1, wherein the aniline derivative represented by the formula (III) is 4-fluoroaniline.

5. The production method according to claim 2, wherein R^2, R^4 and R^5 are each a hydrogen atom and R^3 is a fluorine atom.

6. The production method according to claim 2, wherein the aniline derivative represented by the formula (III) is 4-fluoroaniline.

7. The production method according to claim 3, wherein the aniline derivative represented by the formula (III) is 4-fluoroaniline.

8. The production method according to claim 5, wherein the aniline derivative represented by the formula (III) is 4-fluoroaniline.