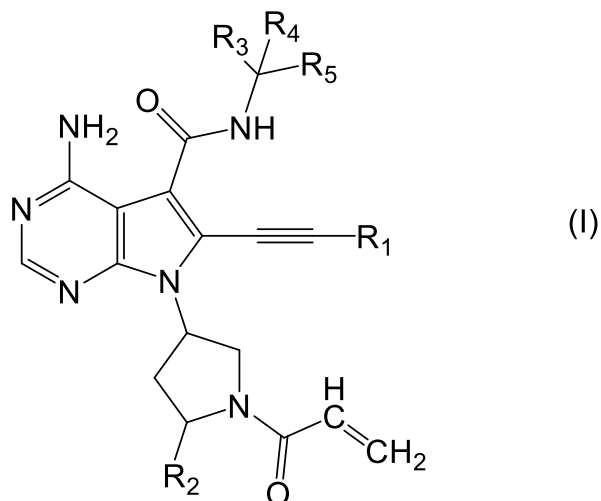


CLAIMS

1. A compound represented by the following formula (I), or a salt thereof:



wherein R₁ represents a C1-C4 alkyl group optionally having a C1-C4 alkoxy group as a substituent, or a C3-C4 cycloalkyl group;

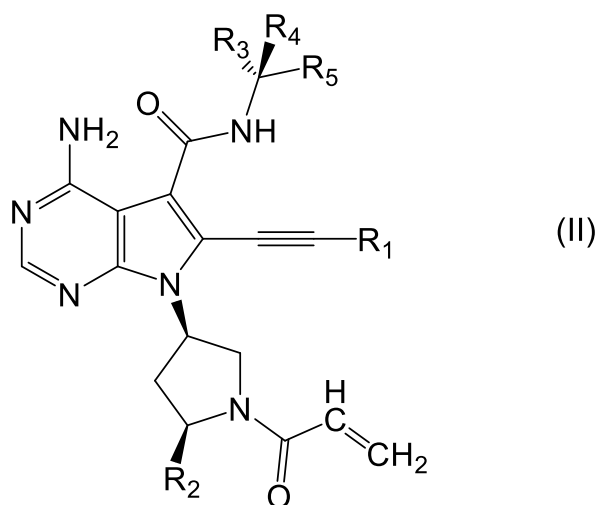
R₂ represents a hydrogen atom, a halogen atom, a C1-C6 alkyl group optionally having 1 to 5 C1-C4 alkoxy groups or fluorine atoms each as a substituent(s), or a C1-C6 alkoxy group;

R₃ represents a hydrogen atom, or a C1-C4 alkyl group optionally having 1 to 5 fluorine atoms as a substituent(s);

R₄ represents a hydrogen atom or a C1-C4 alkyl group; and

R₅ represents a phenyl group optionally having 1 to 3 substituents selected from fluorine atoms and chlorine atoms.

2. The compound according to claim 1 represented by the following formula (II), or a salt thereof:



wherein R₁ represents a C1-C4 alkyl group optionally having a C1-C4 alkoxy group as a substituent, or a C3-C4 cycloalkyl group;

R₂ represents a hydrogen atom, a halogen atom, a C1-C6 alkyl group optionally having 1 to 5 C1-C4 alkoxy groups or fluorine atoms each as a substituent(s), or a C1-C6 alkoxy group;

R₃ represents a hydrogen atom, or a C1-C4 alkyl group optionally having 1 to 5 fluorine atoms as a substituent(s);

R₄ represents a hydrogen atom or a C1-C4 alkyl group; and

R₅ represents a phenyl group optionally having 1 to 3 substituents selected from fluorine atoms and chlorine atoms.

3. The compound according to claim 1 or 2, or a salt thereof, wherein R₂ is a C1-C6 alkyl group optionally having 1 to 5 C1-C4 alkoxy groups as a substituent(s).

4. The compound according to any one of claims 1 to 3, or a salt thereof, wherein R₃ is a C1-C4 alkyl group optionally having 1 to 5 fluorine atoms as a substituent(s).

5. The compound according to any one of claims 1 to 4, or a salt thereof, wherein R₅ is a phenyl group optionally having 1 or 2 substituents selected from the group consisting of fluorine atoms and chlorine atoms.

6. The compound according to any one of claims 1 to 5, or a salt thereof, wherein R₁ is a methyl group, a tert-butyl group, or a cyclopropyl group.

7. The compound according to any one of claims 1 to 6, or a salt thereof, wherein R₂ is a methyl group, an ethyl group, a methoxymethyl group, or an ethoxymethyl group.
8. The compound according to any one of claims 1 to 7, or a salt thereof, wherein R₃ is a methyl group.
9. The compound according to any one of claims 1 to 8, or a salt thereof, wherein R₄ is a hydrogen atom.
10. The compound according to any one of claims 1 to 9, or a salt thereof, wherein R₅ is a phenyl group.
11. The compound according to any one of claims 1 to 10, or a salt thereof, wherein the compound is selected from the following (1) to (3):
- (1)
7-((3R,5S)-1-acryloyl-5-methylpyrrolidin-3-yl)-4-amino-N-((R)-1-phenylethyl)-6-(prop-1-yn-1-yl)-7H-pyrrolo[2,3-d]pyrimidine-5-carboxamide,
- (2)
7-((3R,5S)-1-acryloyl-5-methylpyrrolidin-3-yl)-4-amino-6-(cyclopropylethynyl)-N-((R)-1-phenylethyl)-7H-pyrrolo[2,3-d]pyrimidine-5-carboxamide, and
- (3)
7-((3R,5S)-1-acryloyl-5-methylpyrrolidin-3-yl)-4-amino-6-(3,3-dimethylbut-1-yn-1-yl)-N-((R)-1-phenylethyl)-7H-pyrrolo[2,3-d]pyrimidine-5-carboxamide.
12. A pharmaceutical composition comprising the compound according to any one of claims 1 to 11 or a salt thereof.
13. An antitumor agent comprising, as an active ingredient, the compound according to any one of claims 1 to 11 or a salt thereof.
14. An antitumor agent for oral administration, comprising, as an active ingredient, the compound according to any one of claims 1 to 11 or a salt thereof.
15. Use of the compound according to any one of claims 1 to 11 or a salt thereof for the production of a pharmaceutical composition.

16. Use of the compound according to any one of claims 1 to 11 or a salt thereof for the production of an antitumor agent.
17. Use of the compound according to any one of claims 1 to 11 or a salt thereof for the production of an antitumor agent for oral administration.
18. The compound according to any one of claims 1 to 11 or a salt thereof, for use as a medicament.
19. Use of the compound according to any one of claims 1 to 11 or a salt thereof, in the manufacture of a medicament for the treatment of a tumor.
20. The use as claimed in claim 19, wherein the medicament is to be administered orally.
21. The use as claimed in claim 19, wherein the medicament is to be administered in an effective amount to a subject in need thereof.