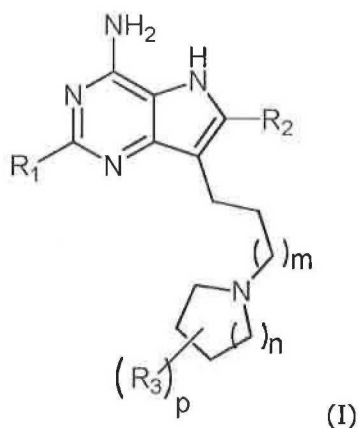


Claims

1. A compound of formula (I), or a salt thereof:



5 wherein:

R₁ is *n*-C₄₋₆alkyl or C₁₋₂alkoxyC₁₋₂alkyl-;

R₂ is hydrogen or methyl;

each R₃ is hydroxy, halo or *n*-C₁₋₃alkyl;

m is an integer having a value of 2 to 4;

10 n is an integer having a value of 0 to 3;

p is an integer having a value of 0 to 2.

2. A compound according to claim 1, or a salt thereof, wherein R₁ is *n*-butyl.

- 15 3. A compound according to claim 1, or a salt thereof, wherein R₁ is ethoxymethyl.

4. A compound according to claim 1, or a salt thereof, wherein R₁ is 2-methoxyethyl.

- 20 5. A compound according to any of claims 1-4, or a salt thereof, wherein R₂ is hydrogen.

6. A compound according to any of claims 1-4, or a salt thereof, wherein R₂ is methyl.

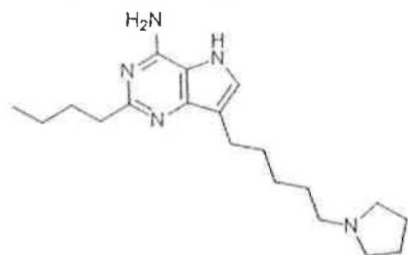
- 25 7. A compound according to any of claims 1-6, or a salt thereof, wherein n is an integer having a value of 1 or 2.

8. A compound according to any of claims 1-7, or a salt thereof, wherein p is 0.

9. A compound according to any of claims 1-7, or a salt thereof, wherein R₃ is hydroxy or halo.
10. A compound according to any of claims 1-7, or a salt thereof, wherein p is 1 and R₃ is hydroxy or fluoro.
11. A compound according to any of claims 1-7, or a salt thereof, wherein p is 2 and R₃ is fluoro.
12. A compound according to claim 1, or a salt thereof, selected from the group consisting of:
- 2-Butyl-7-(6-(piperidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-7-(5-(piperidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-7-(4-(piperidin-1-yl)butyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-(Ethoxymethyl)-7-(6-(piperidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-(2-Methoxyethyl)-7-(6-(piperidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(6-(piperidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(5-(piperidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(4-(piperidin-1-yl)butyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-7-(5-(pyrrolidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-7-(6-(pyrrolidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Pentyl-7-(6-(piperidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 7-(5-(Azepan-1-yl)pentyl)-2-butyl-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 7-(4-(Azepan-1-yl)butyl)-2-butyl-6-methyl-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(6-(pyrrolidin-1-yl)hexyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 7-(6-(Azetidin-1-yl)hexyl)-2-butyl-6-methyl-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(5-(pyrrolidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 7-(5-(Azetidin-1-yl)pentyl)-2-butyl-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 7-(5-(Azetidin-1-yl)pentyl)-2-butyl-6-methyl-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(4-(pyrrolidin-1-yl)butyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-7-(5-(4,4-difluoropiperidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 2-Butyl-7-(5-(4-fluoropiperidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 7-(5-(4-Fluoropiperidin-1-yl)pentyl)-2-(2-methoxyethyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 1-(5-(4-Amino-2-butyl-5*H*-pyrrolo[3,2-*d*]pyrimidin-7-yl)pentyl)piperidin-4-ol;
 (*R*)-2-Butyl-7-(5-(3-fluoropyrrolidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;
 (*S*)-2-Butyl-7-(5-(3-fluoropyrrolidin-1-yl)pentyl)-5*H*-pyrrolo[3,2-*d*]pyrimidin-4-amine;

(R)-7-(5-(3-Fluoropyrrolidin-1-yl)pentyl)-2-(2-methoxyethyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 (S)-7-(5-(3-Fluoropyrrolidin-1-yl)pentyl)-2-(2-methoxyethyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 5 (S)-1-(5-(4-Amino-2-butyl-5H-pyrrolo[3,2-d]pyrimidin-7-yl)pentyl)pyrrolidin-3-ol;
 1-(5-(4-Amino-2-butyl-5H-pyrrolo[3,2-d]pyrimidin-7-yl)pentyl)azetidin-3-ol;
 7-(6-(Azepan-1-yl)hexyl)-2-(2-methoxyethyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 2-Butyl-7-(6-(4-fluoropiperidin-1-yl)hexyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 (R)-2-Butyl-7-(6-(3-fluoropyrrolidin-1-yl)hexyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 10 (S)-2-Butyl-7-(6-(3-fluoropyrrolidin-1-yl)hexyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 (S)-2-Butyl-7-(5-(2-methylpyrrolidin-1-yl)pentyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 (R)-2-Butyl-7-(5-(2-methylpyrrolidin-1-yl)pentyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 15 2-Butyl-7-(5-(3-methylazetidin-1-yl)pentyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 2-Butyl-7-(5-(3-fluoroazetidin-1-yl)pentyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 2-Butyl-6-methyl-7-(6-(pyrrolidin-1-yl)hexyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 2-Butyl-7-(5-(4-fluoropiperidin-1-yl)pentyl)-6-methyl-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 20 (S)-2-Butyl-7-(5-(3-fluoropyrrolidin-1-yl)pentyl)-6-methyl-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 (R)-2-Butyl-7-(5-(3-fluoropyrrolidin-1-yl)pentyl)-6-methyl-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 2-Butyl-7-(5-(3-fluoroazetidin-1-yl)pentyl)-6-methyl-5H-pyrrolo[3,2-d]pyrimidin-4-amine;
 25 amine; and
 2-(2-Methoxyethyl)-7-(5-(pyrrolidin-1-yl)pentyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine.

13. A compound according to claim 1, which is 2-butyl-7-(5-(pyrrolidin-1-yl)pentyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine



or a salt thereof.

14. A compound according to any of claims 1-13, which is in the form of a pharmaceutically acceptable salt.
- 5 15. A compound according to any of claims 1-13, which is in the form of a free base.
- 10 16. A pharmaceutical composition comprising a compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, and one or more pharmaceutically acceptable excipients.
17. A vaccine composition comprising a compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, and an antigen or antigen composition.
- 15 18. A compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, for use in therapy.
- 20 19. A compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, for use in the treatment of allergic diseases and other inflammatory conditions, infectious diseases, and cancer.
- 20 20. A compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, for use in the treatment of allergic rhinitis.
- 25 21. A compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, for use in the treatment of asthma.
22. Use of a compound as defined in any of claims 1-13, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the treatment of allergic diseases and other inflammatory conditions, infectious diseases, and cancer.