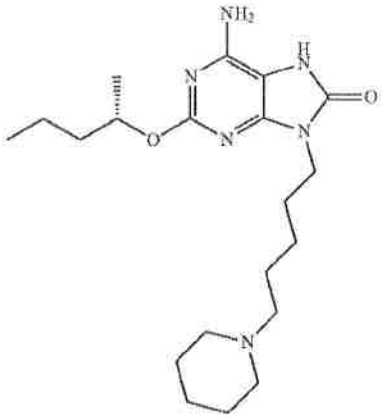
Claims

1. A compound which is 6-amino-2-{[(1S)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8H-purin-8-one:



in the form of a maleate salt.

2. A vaccine adjuvant comprising a compound according to claim 1.

3. An immugenic composition comprising an antigen or antigen composition and a compound according to claim 1.

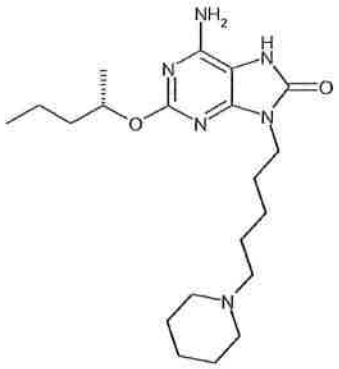
4. A vaccine composition comprising an antigen or antigen composition and a compound according to claim 1.

5. A pharmaceutical composition comprising a compound according to claim 1, and one or more pharmaceutically acceptable diluents or carriers.

6. A pharmaceutical composition according to claim 7 which is administered by intranasal or inhaled administration.

Claims

1. A compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one:



in the form of a maleate salt.

2. A compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt for use in therapy.

3. A compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt for use in the treatment of allergic diseases and other inflammatory conditions, infectious diseases, and cancer.

4. A compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt for use in the treatment of allergic rhinitis.

5. A compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt for use in the treatment of asthma.

6. A vaccine adjuvant comprising a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt.

7. An immugenic composition comprising an antigen or antigen composition and a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt.

8. A vaccine composition comprising an antigen or antigen composition and a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt.

9. The use of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt, for the

manufacture of an immugenic composition comprising an antigen or antigen composition, for the treatment or prevention of disease.

10. The use of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt, for the manufacture of a vaccine composition comprising an antigen or antigen composition, for the treatment or prevention of disease.

11. The use of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt, for the manufacture of a medicament for the treatment of allergic diseases and other inflammatory conditions, infectious diseases, and cancer.

12. The use of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt, for the manufacture of a medicament for the treatment of allergic rhinitis.

13. The use of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt, for the manufacture of a medicament for the treatment of asthma.

14. A method of treatment of allergic diseases and other inflammatory conditions, infectious diseases, and cancer, which method comprises administering to a human subject in need thereof, a therapeutically effective amount of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt.

15. A method of treatment of allergic rhinitis, which method comprises administering to a human subject in need thereof, a therapeutically effective amount of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt.

16. A method of treatment of asthma, which method comprises administering to a human subject in need thereof, a therapeutically effective amount of a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt.

17. A pharmaceutical composition comprising a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt, and one or more pharmaceutically acceptable diluents or carriers.

18. A method of treating or preventing disease comprising the administration to a human subject suffering from or susceptible to disease, a vaccine composition comprising an antigen or antigen composition and a compound which is 6-amino-2-{[(1*S*)-1-

methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one in the form of a maleate salt.

19. A method of treating or preventing disease comprising the administration to a human subject suffering from or susceptible to disease, an immugenic composition comprising an antigen or antigen composition and a compound which is 6-amino-2-{[(1*S*)-1-methylbutyl]oxy}-9-[5-(1-piperidinyl)pentyl]-7,9-dihydro-8*H*-purin-8-one, in the form of a maleate salt.