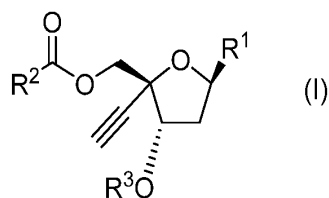


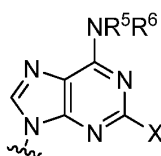
WHAT IS CLAIMED IS:

1. A compound of formula (I):



wherein:

R₁ is:



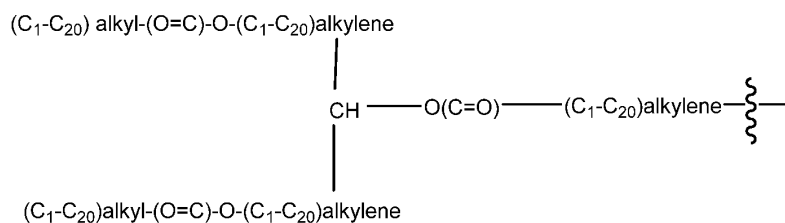
wherein :

X is selected from the group consisting of NH₂, F and Cl;

R⁵ is selected from the group consisting of H and (C₁-C₁₄) alkyl;

15 R⁶ is selected from the group consisting of H and -(C=O)-(C₁-C₁₄) alkyl;

20 R² is selected from the group consisting of (C₁-C₂₄) alkyl; (CH₂)_{n1}-O-(CH₂CH₂O)_{n2}-(C₁-C₁₄) alkyl where n₁ and n₂ are integers independently selected from 1-4 -R⁷-NH-(C=O)-R⁸ wherein R⁷ may be (C₁-C₁₄) alkyl and R⁸ may be independently selected from H and (C₁-C₁₄) alkyl; -R⁹-(C₆-C₁₄) aryl, wherein R⁹ is a bond or (C₁-C₆) alkyl; -R¹⁰-(C₃-C₁₄) cycloalkyl, wherein R¹⁰ is a bond or (C₁-C₆) alkyl; -(C₁-C₂₀) alkylene-(C=O)-O-R¹¹ wherein R¹¹ may be selected from H and (C₁-C₂₀) alkyl; and



and;

R^3 is selected from the group consisting of H, $-(C=O)-(C_1-C_{24})$ alkyl; $-(C=O)-O-(C_1-C_{24})$ alkyl; and C_3-C_{14} cycloalkyl or
 R^2 and R^3 join together to form a C_3 to C_{28} cyclic structure; and
 with the proviso that when R^2 is (C_1-C_{14}) alkyl at least one of R^3 , R^5 and R^6 is not H.

5

2. The compound according to Claim 1, wherein X is F, and R^5 and R^6 are each H.

10 3. The compound according to any of Claims 1-2, wherein X is F, R^5 is H and R^6 is $-(C=O)-(C_1-C_{14})$ alkyl

4. The compound according to any of Claims 1-3, wherein R^3 is H.

15 5. The compound according to any of Claims 1-3, wherein R^3 is $-(C=O)-(C_1-C_{20})$ alkyl

6. The compound according to any of Claims 1-5, wherein R^2 is C_6 aryl.

20 7. The compound according to any of Claims 1-5, wherein R^2 is C_6 cycloalkyl.

8. The compound according to Claim 1, wherein R^3 is H, X is F, R^5 is H, R^6 is H, and R^2 is $(CH_2)_{n1}-O-(CH_2CH_2O)_{n2}-(C_1-C_{14})$ alkyl).

25 9. The compound according to Claim 1, wherein R^3 is H, X is F, R^5 is H, R^6 is H, and R^2 is $-R^7-NH-(C=O)-R^8$.

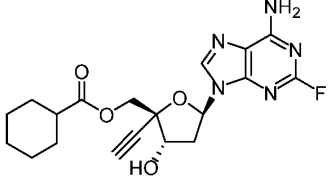
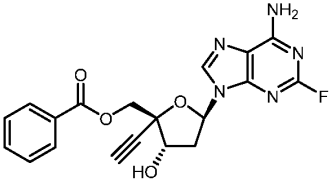
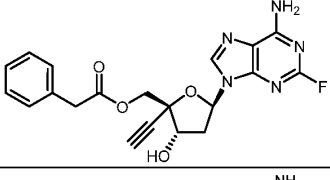
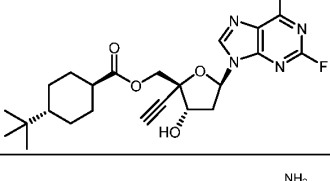
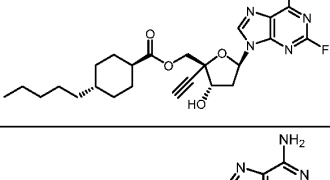
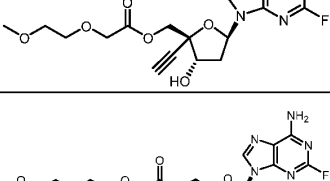
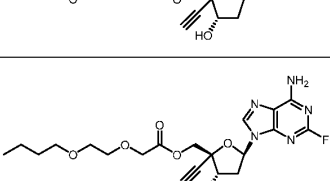
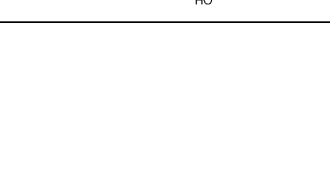
10. The compound according to Claim 1, wherein R^3 is H, X is F, R^5 is H, R^6 is H, and R^2 is $-(C_1-C_{20})$ alkylene- $(C=O)-O-R^{11}$.

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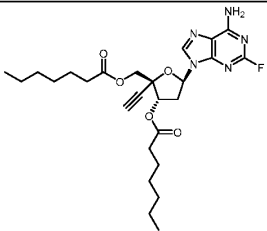
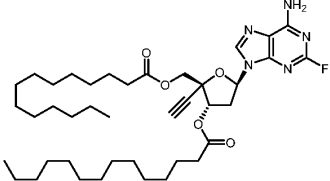
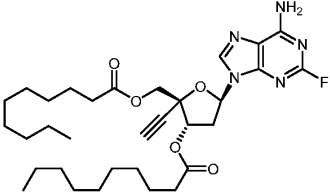
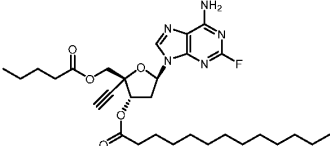
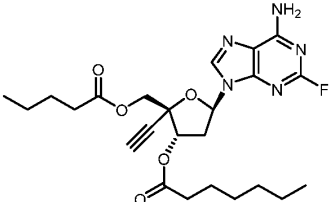
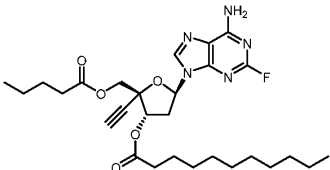
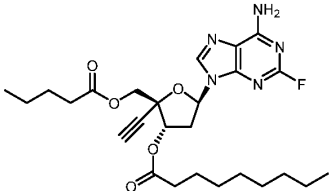
11. The compound according to Claim 1, wherein R^3 is $-(C=O)-(C_1-C_{24})$ alkyl, X is F, R^5 is H, R^6 is H and R^2 is $-(C_1-C_{24})$ alkyl.

12. The compound according to Claim 1, wherein R^3 is $-(C=O)-O-(C_1-C_{24})$ alkyl,
 35 X is F, R^5 is H, R^6 is H and R^2 is $-(C_1-C_{24})$ alkyl.

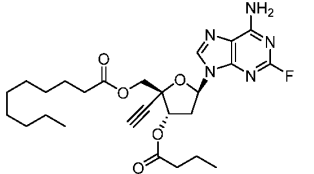
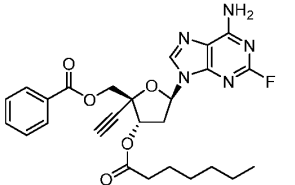
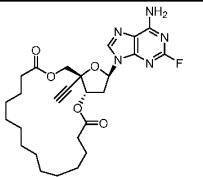
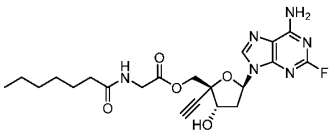
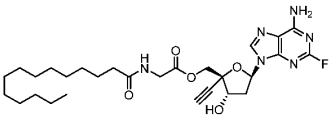
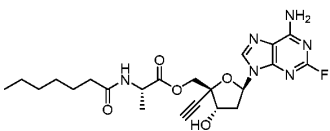
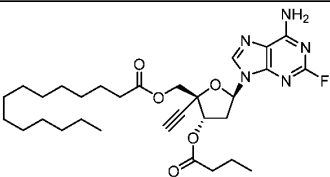
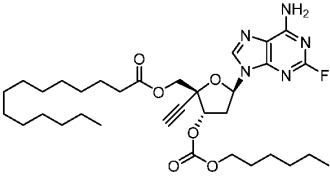
13. A compound selected from the group consisting of:

Parent Structure	Chemical Name
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl cyclohexanecarboxylate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl benzoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 2-phenylacetate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl (1rs,4rs)-4-tert-butylcyclohexane-1-carboxylate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl (1rs,4sr)-4-pentylcyclohexane-1-carboxylate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 2-(2-methoxyethoxy)acetate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 2-[2-(2-methoxyethoxy)ethoxy]acetate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 2-(2-butoxyethoxy)acetate

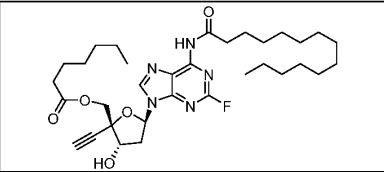
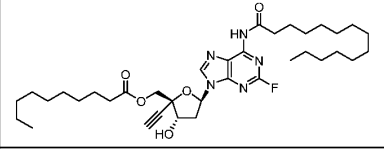
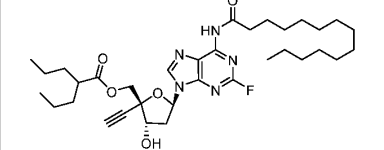
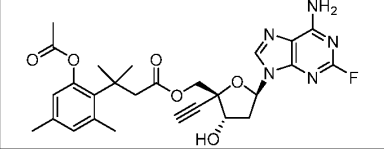
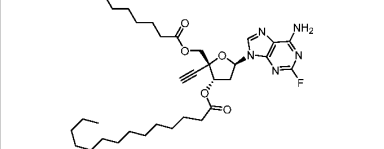
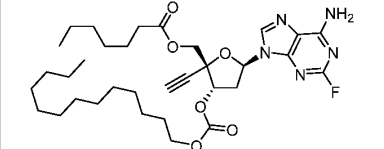
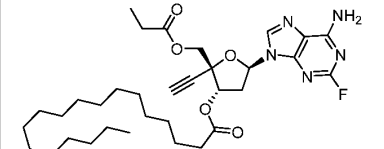
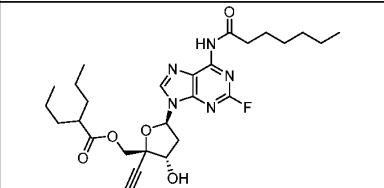
	10-[[[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methoxy]-10-oxodecanoic acid
	14-[[[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methoxy]-14-oxotetradecanoic acid
	20-[[[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methoxy]-20-oxoicosanoic acid
	1-[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 5-[1,3-bis(heptanoyloxy)propan-2-yl]pentanedioate
	1-[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 5-[1,3-bis(tetradecanoyloxy)propan-2-yl]pentanedioate
	1-[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 5-tetradecyl pentanedioate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-3-[(ethoxycarbonyl)oxy]-2-ethynyloxolan-2-yl]methyl decanoate

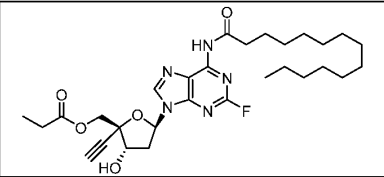
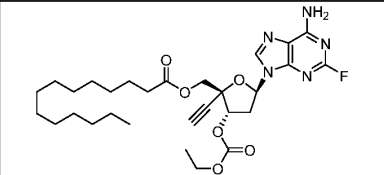
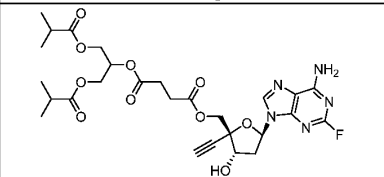
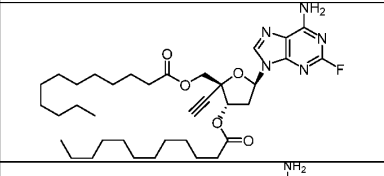
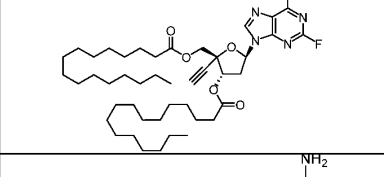
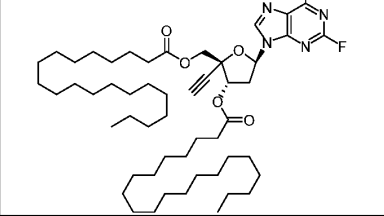
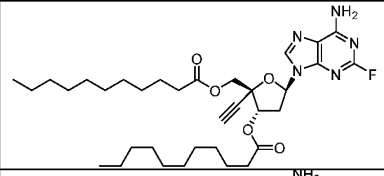
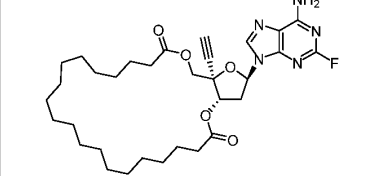
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(heptanoyloxy)oxolan-2-yl]methyl heptanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(tetradecanoyloxy)oxolan-2-yl]methyl tetradecanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-3-(decanoyloxy)-2-ethynyloxolan-2-yl]methyl decanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-[(pentanoyloxy)methyl]oxolan-3-yl tridecanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-[(pentanoyloxy)methyl]oxolan-3-yl heptanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-[(pentanoyloxy)methyl]oxolan-3-yl undecanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-[(pentanoyloxy)methyl]oxolan-3-yl nonanoate

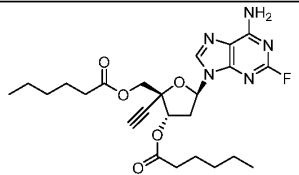
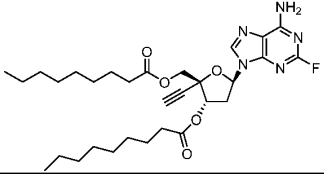
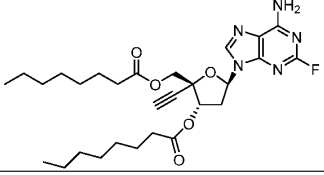
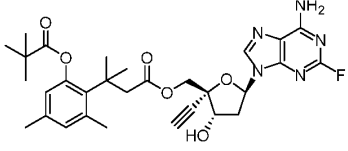
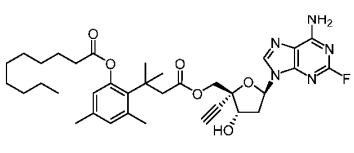
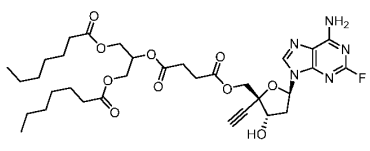
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(pentanoyloxy)oxolan-2-yl]methyl pentanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(propanoyloxy)oxolan-2-yl]methyl pentanoate
	[(2R,3S,5R)-5-(6-butanamido-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl pentanoate
	[(2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-octanamido-9H-purin-9-yl)-3-hydroxyoxolan-2-yl]methyl pentanoate
	[(2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-tetradecanamido-9H-purin-9-yl)-3-hydroxyoxolan-2-yl]methyl pentanoate
	[(2R,3S,5R)-5-(6-dodecanamido-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl pentanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-[(2-propylpentanoyl)oxy]methyl}oxolan-3-yl dodecanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-3-(butanoyloxy)-2-ethynyloxolan-2-yl]methyl 2-propylpentanoate

	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-3-(butanoyloxy)-2-ethynyloxolan-2-yl]methyl decanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(heptanoyloxy)oxolan-2-yl]methyl benzoate
	(2R,3aS,20aR)-2-(6-amino-2-fluoro-9H-purin-9-yl)-20a-ethynyl-octadecahydro-2H-furo[3,2-b]1,5-dioxacyclononadecane-5,18-dione
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 2-heptanamidoacetate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl 2-tetradecanamidoacetate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxyoxolan-2-yl]methyl (2S)-2-heptanamidopropanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-3-(butanoyloxy)-2-ethynyloxolan-2-yl]methyl tetradecanoate
	[(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-[(hexyloxy)carbonyloxy]oxolan-2-yl]methyl tetradecanoate

	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((2-propylpentanoyl)oxy)methyl oxolan-3-yl heptanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl tetradecanoyl-L-alaninate
	(2R,3S,5R)-2-(acetoxymethyl)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyltetrahydrofuran-3-yl heptanoate
	((2R,3S,5R)-5-(6-decanamido-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl heptanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(((hexyloxy)carbonyl)oxy)tetrahydrofuran-2-yl)methyl heptanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(((hexyloxy)carbonyl)oxy)tetrahydrofuran-2-yl)methyl decanoate
	((2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-tetradecanamido-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl benzoate
	((2R,3S,5R)-5-(6-decanamido-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl benzoate

	((2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-tetradecanamido-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl heptanoate
	((2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-tetradecanamido-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl decanoate
	((2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-tetradecanamido-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl 2-propylpentanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl 3-(2-acetoxy-4,6-dimethylphenyl)-3-methylbutanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((heptanoyloxy)methyl)tetrahydrofuran-3-yl tetradecanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-(((tridecyloxy)carbonyl)oxy)tetrahydrofuran-2-yl)methyl heptanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((propionyloxy)methyl)tetrahydrofuran-3-yl stearate
	((2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-heptanamido-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl 2-propylpentanoate

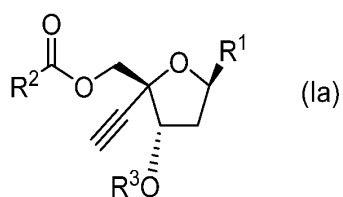
	((2R,3S,5R)-2-ethynyl-5-(2-fluoro-6-tetradecanamido-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl propionate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-3-((ethoxycarbonyloxy)-2-ethynyltetrahydrofuran-2-yl)methyl tetradecanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl (1,3-bis(isobutyryloxy)propan-2-yl) succinate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-((dodecanoyloxy)methyl)-2-ethynyltetrahydrofuran-3-yl dodecanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((palmitoyloxy)methyl)tetrahydrofuran-3-yl palmitate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((icosanoyloxy)methyl)tetrahydrofuran-3-yl icosanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((undecanoyloxy)methyl)tetrahydrofuran-3-yl undecanoate
	(2R,3aS,26aR)-2-(6-amino-2-fluoro-9H-purin-9-yl)-26a-ethynyldocosahydro-2H-furo[3,2-b][1,5]dioxacyclopentacosine-5,24-dione

	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((hexanoyloxy)methyl)tetrahydrofuran-3-yl hexanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((nonanoyloxy)methyl)tetrahydrofuran-3-yl nonanoate
	(2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-2-((octanoyloxy)methyl)tetrahydrofuran-3-yl octanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl 3-(2,4-dimethyl-6-(pivaloyloxy)phenyl)-3-methylbutanoate
	2-(4-(((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methoxy)-2-methyl-4-oxobutan-2-yl)-3,5-dimethylphenyl decanoate
	((2R,3S,5R)-5-(6-amino-2-fluoro-9H-purin-9-yl)-2-ethynyl-3-hydroxytetrahydrofuran-2-yl)methyl (1,3-bis(heptanoyloxy)propan-2-yl) succinate

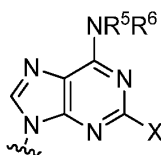
and

pharmaceutically acceptable salts thereof.

10 14. A compound of the formula (Ia):



15 wherein:
R₁ is:



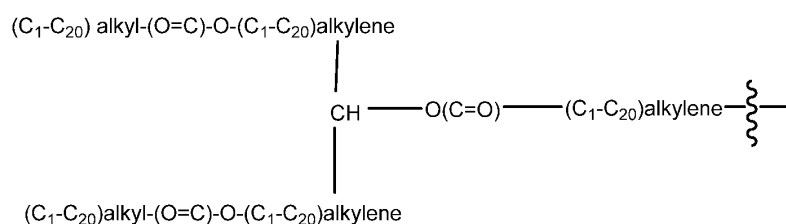
wherein:

X is selected from the group consisting of NH₂, F and Cl;

5 R⁵ is selected from the group consisting of H and (C₁-C₁₄) alkyl;

R⁶ is selected from the group consisting of H and -(C=O)-(C₁-C₁₄) alkyl;

R² is selected from the group consisting of (C₁-C₂₄) alkyl; C₃-C₁₄ cycloalkyl; (CH₂)_{n1}-O-(CH₂CH₂O)_{n2}-(C₁-C₁₄) alkyl where n₁ and n₂ are integers independently selected from 1-4, -R⁷-NH-(C=O)-R⁸ wherein R⁷ may be (C₁-C₁₄) alkyl and R⁸ may be independently
 10 selected from H and (C₁-C₁₄) alkyl; -R⁹-(C₆-C₁₄) aryl, wherein R⁹ is a bond or (C₁-C₆) alkyl; -R¹⁰-(C₃-C₁₄) cycloalkyl, wherein R¹⁰ is a bond or (C₁-C₆) alkyl; -(C₁-C₂₀) alkylene-(C=O)-O-R¹¹ wherein R¹¹ may be selected from H and (C₁-C₂₀) alkyl; and



15

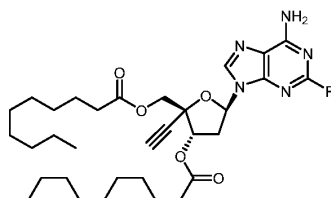
and;

R³ is selected from the group consisting of H, -(C=O)-(C₁-C₂₄) alkyl; -(C=O)-O-(C₁-C₂₄) alkyl; and C₃-C₁₄ cycloalkyl; or

R² and R³ join together to form a C₃ to C₂₈ cyclic structure; and

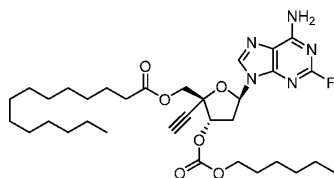
20 with the proviso that when R² is (C₁-C₁₈) alkyl at least one of R³, R⁵ and R⁶ is not H.

15 A compound of the formula:



or a pharmaceutically acceptable salt thereof.

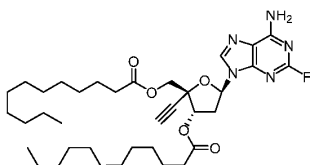
16. A compound of the formula:



5

or a pharmaceutically acceptable salt thereof.

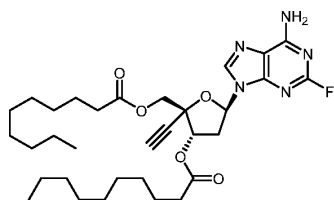
17. A compound of the formula:



10

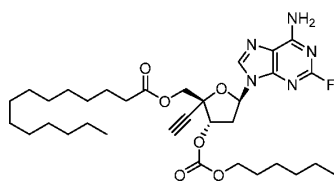
or a pharmaceutically acceptable salt thereof.

18. A compound of the formula:



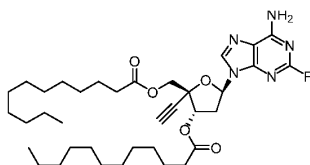
15

19. A compound of the formula:



20

20. A compound of the formula:



5

21. The compound according to any of Claims 1-20, present in crystalline form.

10 22. The compound according to any of Claims 1-20, present in amorphous form.

23. A pharmaceutical composition comprising a compound according to any of Claims 1-22, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable excipient.

15

24. The composition of Claim 23, wherein the composition is present in parenteral form.

20 25. The composition of Claim 23, wherein the composition is in a tablet form.

26. The composition of Claim 23, wherein the composition is formulated as a long acting parenteral injection.

25

27. A method of treating an HIV infection in a patient comprising administering to the subject a compound of any of Claims 1-22, or a pharmaceutically acceptable salt thereof.

30 28. A method of preventing an HIV infection in a patient at risk for developing an HIV infection, comprising administering to the subject a compound of any of Claims 1-22, or a pharmaceutically acceptable salt thereof.

29. A compound according to any of Claims 1-22, for use in treating an

HIV infection.

30. A compound according to any of Claims 1-22, for use in preventing an HIV infection.

5

31. Use of a compound according to any of Claims 1-22, in the manufacture of a medicament for treating an HIV infection.

32. Use of a compound according to any of Claims 1-22, in the
10 manufacture of a medicament for preventing an HIV infection.