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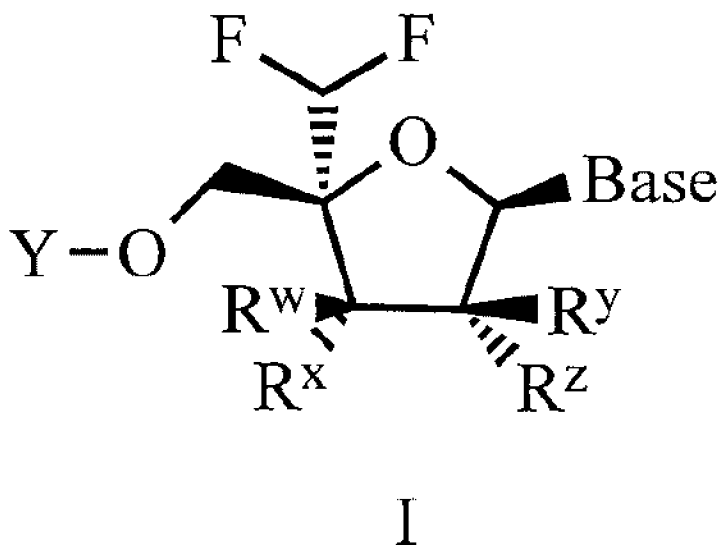
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(54) Titre : DERIVES DE NUCLEOSIDES A SUBSTITUTION 4'-DIFLUOROMETHYLE UTILISES EN TANT
QU'INHIBITEURS DE LA REPLICATION DE L'ARN DU VIRUS DE LA GRIPPE

(54) Title: 4'-DIFLUOROMETHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF INFLUENZA RNA
REPLICATION



(57) **Abrégé/Abstract:**

The application discloses nucleoside derivatives of Formula I as inhibitors of Influenza RNA replication. In particular, the application discloses the use of purine and pyrimidine nucleoside derivatives of Formula I as inhibitors of Influenza RNA replication and pharmaceutical compositions containing such compounds.

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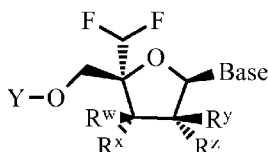
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(54) Title: 4'-DIFLUOROMETHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF INFLUENZA RNA REPLICATION



(I)

(57) Abstract: The application discloses nucleoside derivatives of Formula I as inhibitors of Influenza RNA replication. In particular, the application discloses the use of purine and pyrimidine nucleoside derivatives of Formula I as inhibitors of Influenza RNA replication and pharmaceutical compositions containing such compounds.

WO 2015/120237 A3

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JUMBO APPLICATIONS / PATENTS

**THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE
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THIS IS VOLUME __1__ OF __2__

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4'-DIFLUOROMETHYL SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF INFLUENZA RNA REPLICATION

FIELD OF THE INVENTION

[0001] The invention relates to nucleoside derivatives as inhibitors of Influenza RNA replication. In particular, the invention is concerned with the use of purine and pyrimidine nucleoside derivatives as inhibitors of Influenza RNA replication and pharmaceutical compositions containing such compounds.

[0002] Influenza virus is causing seasonal epidemics of respiratory disease throughout the world. Approved treatment options for Influenza infection fall into two classes, neuraminidase inhibitors (Oseltamivir, Zanamivir) and M2 inhibitors (Amantadine, Rimantadine). However, the yearly influenza epidemics are still associated with a significant number of excess deaths every year. The occurrence of yearly deaths due to influenza and pneumonia correlates with circulating influenza virus and with the relative pathogenicity of the particular circulating influenza strain. In addition, new virus strains for which little or no population resistance exists can emerge through gene reassortment with viruses from a large animal reservoir and cause pandemics, which are a serious global public health issue. The available treatments of influenza virus infection have limited efficacy because of widespread resistance (amantadine, rimantadine) or requirement for early start of treatment (neuraminidase inhibitors). In addition, naturally resistant viruses have emerged that are resistant to both classes of inhibitors.

[0003] Many of the drugs approved for the treatment of viral infections are nucleosides or nucleoside analogues and most of these nucleoside analogue drugs inhibit viral replication, following conversion to the corresponding triphosphates, through inhibition of the viral polymerase enzymes. The influenza virus polymerase is essential for viral replication, and its inhibition by nucleoside triphosphate analogs results in the shut-down of virus production. Only very few nucleoside analogs have been previously found that can inhibit the influenza virus polymerase.

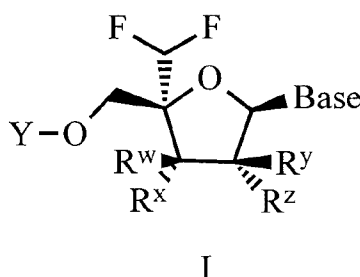
[0004] Influenza virus belongs to the family of Orthomyxoviridae. It is an RNA virus with a segmented negative sense RNA genome. The synthesis of viral messenger RNA and of viral genomic RNA in infected cells is performed by the trimeric influenza virus polymerase. Three

virus encoded polymerase subunits (PA, PB1, PB2) and a virus encoded single stranded RNA binding protein (NP) are necessary and sufficient to perform RNA replication.

SUMMARY OF THE INVENTION

[0005] The compounds of Formula I are useful for the treatment of diseases mediated by Influenza and for pharmaceutical compositions comprising such compounds.

[0006] In one aspect, the application provides a compound of Formula I



wherein:

Y is H or P(=X)(R')(R);

R is O-R¹ or NHR^{1'};

R^{1'} is -C(R^{2a})(R^{2b})C(=O)OR³;

R' is N(R⁴)C(R^{2a})(R^{2b})C(=O)OR³, -OP(=O)(OH)OP(=O)(OH)OH, or -OR³;

R¹ is H, lower haloalkyl, or aryl, wherein aryl is phenyl or naphthyl, optionally substituted with one or more lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, halo, lower haloalkyl, -N(R^{1a})₂, acylamino, -SO₂N(R^{1a})₂, -C(=O)R^{1b}, -SO₂(R^{1c}), -NHSO₂(R^{1c}), nitro, cyano, or R^{1''};

each R^{1a} is independently H or lower alkyl;

each R^{1b} is independently -OR^{1a} or -N(R^{1a})₂;

each R^{1c} is lower alkyl;

each R^{2a} and R^{2b} is independently H, lower alkyl, -(CH₂)_rN(R^{1a})₂, lower hydroxyalkyl, -CH₂SH, -(CH₂)_pS(O)_pMe, -(CH₂)_nNHC(=NH)NH₂, (1*H*-indol-3-yl)methyl, (1*H*-indol-4-yl)methyl, -(CH₂)_mC(=O)R^{1b}, aryl and aryl lower alkyl, wherein aryl is optionally substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

m is 0, 1, or 2;

n is 1, 2, or 3;

p is 1 or 2;

r is 1 or 2;

or R^{2a} is H and R^{2b} and R⁴ together form (CH₂)_n;

each R³ is independently H, lower alkyl, lower haloalkyl, phenyl or phenyl lower alkyl, wherein phenyl and phenyl lower alkyl are optionally substituted with lower alkoxy;

or R³ and R^{1''} together form CH₂;

each R⁴ is independently H, lower alkyl;

or R^{2b} and R⁴ together form (CH₂)₃;

R^w, R^y, and R^z are each independently H, OH or F;

R^x is H, OH, or F;

or R³ and R^x together form a bond;

or R¹ and R^x together form a bond;

X is O or S;

Base is uracil, cytosine, guanine, adenine, or thymine, each of which may optionally be substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

with the proviso that if R^w is H, R^y is H, and R^z is H, then R^x is not H; and

with the proviso that Formula I is not ((2R,3R,4R,5R)-5-(4-amino-2-oxopyrimidin-1(2H)-yl)-2-(difluoromethyl)-4-fluoro-3-hydroxytetrahydrofuran-2-yl)methyl tetrahydrogen triphosphate; or a pharmaceutically acceptable salt thereof.

[0007] The application provides the compounds of Formula I which are useful for the treatment of diseases mediated by Influenza, pharmaceutical compositions comprising such compounds of Formula I, or result in the formation of such compounds of Formula I in vivo during said treatment.

[0008] The application provides a method for treating an Influenza infection comprising administering to a patient in need thereof a therapeutically effective amount of a compound of Formula I or a compound resulting in the formation of a compound of Formula I in vivo.

[0009] The application provides a composition comprising a compound of Formula I and a pharmaceutically acceptable excipient.

[0009a] In one aspect, the application provides a compound which is exemplified herein or a pharmaceutically acceptable salt thereof.

[0009b] In another aspect, the application provides a pharmaceutical composition comprising a compound in accordance with the invention and a therapeutically inert carrier.

[0009c] In another aspect, the application provides a pharmaceutical composition according to the invention for use in the treatment or prophylaxis of Influenza infection.

[0009d] In another aspect, the application provides a compound or a pharmaceutically acceptable salt thereof according to the invention for use in the treatment or prophylaxis of Influenza infection. In other aspects, the application provides a use of the compound or pharmacologically acceptable salt thereof according to the invention, for the treatment or prophylaxis of Influenza infection; or a use of a compound or a pharmaceutically acceptable salt thereof according to the invention, in the manufacture of a medicament for the treatment or prophylaxis of Influenza infection.

DETAILED DESCRIPTION OF THE INVENTION

[0010] The compounds of Formula I have been shown to be inhibitors of the influenza virus RNA polymerase or result in the formation of inhibitors of the influenza virus polymerase after metabolic conversion in human cells.

[0011] The term “alkyl” as used herein denotes a straight or branched chain hydrocarbon residue containing 1 to 12 carbon atoms. Preferably, the term “alkyl” denotes a straight or branched chain hydrocarbon residue containing 1 to 7 carbon atoms. Most preferred are methyl, ethyl, propyl, isopropyl, n-butyl, isobutyl, tert. -butyl or pentyl. The alkyl may be unsubstituted or substituted. The substituents are selected from one or more of cycloalkyl, nitro, amino, alkyl amino, dialkyl amino, alkyl carbonyl and cycloalkyl carbonyl.

[0012] The term “cycloalkyl” as used herein denotes an optionally substituted cycloalkyl group containing 3 to 7 carbon atoms, e. g. cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl or cycloheptyl.

[0013] The term “alkoxy” as used herein denotes an optionally substituted straight or branched chain alkyl-oxy group wherein the “alkyl” portion is as defined above such as methoxy, ethoxy, n-propyloxy, i-propyloxy, n-butyloxy, i-butyloxy, tert. -butyloxy, pentyloxy, hexyloxy, heptyloxy including their isomers.

[0014] The term “alkoxyalkyl” as used herein denotes an alkoxy group as defined above which is bonded to an alkyl group as defined above. Examples are methoxymethyl, methoxyethyl, methoxypropyl, ethoxymethyl, ethoxyethyl, ethoxypropyl, propyloxypropyl, methoxybutyl, ethoxybutyl, propyloxybutyl, butyloxybutyl, tert. -butyloxybutyl, methoxypentyl, ethoxypentyl, propyloxypentyl including their isomers.

[0015] The term “alkenyl” as used herein denotes an unsubstituted or substituted hydrocarbon chain radical having from 2 to 7 carbon atoms, preferably from 2 to 4 carbon atoms, and having one or two olefinic double bonds, preferably one olefinic double bond. Examples are vinyl, 1-propenyl, 2-propenyl (allyl) or 2-butenyl (crotyl).

[0016] The term “alkynyl” as used herein denotes to unsubstituted or substituted hydrocarbon chain radical having from 2 to 7 carbon atoms, preferably 2 to 4 carbon atoms, and having one or where possible two triple bonds, preferably one triple bond. Examples are ethynyl, 1-propynyl, 2-propynyl, 1-butylnyl, 2-butylnyl or 3-butylnyl.

[0017] The term “H” as used herein refers to hydrogen, including deuterium.

[0018] The term “hydroxyalkyl” as used herein denotes a straight or branched chain alkyl group as defined above wherein 1, 2, 3 or more hydrogen atoms are substituted by a hydroxy group. Examples are hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 1-hydroxypropyl, 2-hydroxypropyl, 3-hydroxypropyl, hydroxyisopropyl, hydroxybutyl and the like.

[0019] The term “haloalkyl” as used herein denotes a straight or branched chain alkyl group as defined above wherein 1, 2, 3 or more hydrogen atoms are substituted by a halogen. Examples are 1-fluoromethyl, 1-chloromethyl, 1-bromomethyl, 1-iodomethyl, trifluoromethyl, trichloromethyl, tribromomethyl, triiodomethyl, 1-fluoroethyl, 1-chloroethyl, 1-bromoethyl, 1-iodoethyl, 2-fluoroethyl, 2-chloroethyl, 2-bromoethyl, 2-iodoethyl, 2,2-dichloroethyl, 3-bromopropyl or 2,2,2-trifluoroethyl and the like.

[0020] The term “alkylthio” as used herein denotes a straight or branched chain (alkyl)S-group wherein the “alkyl” portion is as defined above. Examples are methylthio, ethylthio, n-propylthio, i-propylthio, n-butylthio, i-butylthio or tert.-butylthio.

[0021] The term “aryl” as used herein denotes an optionally substituted phenyl and naphthyl (also referred to as naphthylenyl”) (e. g. 1-naphthyl, 2-naphthyl or 3-naphthyl). Suitable substituents for aryl can be selected from those named for alkyl, in addition however, halogen, hydroxy and optionally substituted alkyl, haloalkyl, alkenyl, alkynyl and aryloxy are substituents which can be added to the selection.

[0022] The term “heterocyclyl” or “heterocycloalkyl” or “heterocycle” as used herein denotes an optionally substituted saturated, partially unsaturated or aromatic monocyclic, bicyclic or tricyclic heterocyclic systems which contain one or more hetero atoms selected from nitrogen, oxygen and sulfur which can also be fused to an optionally substituted saturated, partially unsaturated or aromatic monocyclic carbocycle or heterocycle.

[0023] Examples of suitable heterocycles are oxazolyl, isoxazolyl, furyl, tetrahydrofuryl, 1,3-dioxolanyl, dihydropyranyl, 2-thienyl, 3-thienyl, pyrazinyl, isothiazolyl, dihydrooxazolyl, pyrimidinyl, tetrazolyl, 1-pyrrolidinyl, 2-pyrrolidinyl, 3-pyrrolidinyl, pyrrolidinonyl, (N-oxide)-pyridinyl, 1-pyrrolyl, 2-pyrrolyl, triazolyl e. g. 1,2,3-triazolyl or 1,2,4-triazolyl, 1-pyrazolyl, 2-pyrazolyl, 4-pyrazolyl, piperidinyl, morpholinyl (e. g. 4-morpholinyl), thiomorpholinyl (e. g. 4-thiomorpholinyl), thiazolyl, pyridinyl, dihydrothiazolyl, imidazolidinyl, pyrazolinyl, piperazinyl, 1-imidazolyl, 2-imidazolyl, 4-imidazolyl, thiadiazolyl e. g. 1,2,3-thiadiazolyl, 4-methylpiperazinyl, 4-hydroxypiperidin-1-yl.

[0024] Suitable substituents for heterocycloalkyls can be selected from those named for alkyl, in addition however, optionally substituted alkyl, alkenyl, alkynyl, an oxo group (=O) or aminosulphonyl are substituents which can be added to the selection.

[0025] The term "acyl" ("alkylcarbonyl") as used herein denotes a group of formula $C(=O)R$ wherein R is hydrogen, an unsubstituted or substituted straight or branched chain hydrocarbon residue containing 1 to 7 carbon atoms or a phenyl group. Most preferred acyl groups are those wherein R is hydrogen, an unsubstituted straight chain or branched hydrocarbon residue containing 1 to 4 carbon atoms or a phenyl group.

[0026] The term "halogen" or "halo" stands for fluorine, chlorine, bromine or iodine, preferable fluorine, chlorine, bromine.

[0027] In the pictorial representation of the compounds given throughout this application, a thickened tapered line () indicates a substituent which is above the plane of the ring to which the asymmetric carbon belongs and a dotted line () indicates a substituent which is below the plane of the ring to which the asymmetric carbon belongs.

[0028] Compounds of formula I may exhibit stereoisomerism. These compounds can be any isomer of the compound of formula I or mixtures of these isomers. The compounds and intermediates of the present invention having one or more asymmetric carbon atoms may be obtained as racemic mixtures of stereoisomers which can be resolved.

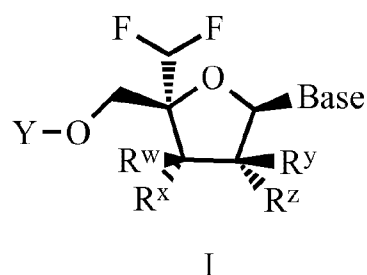
[0029] Compounds of formula I may exhibit tautomerism which means that the compounds of this invention can exist as two or more chemical compounds that are capable of facile interconversion. In many cases it merely means the exchange of a hydrogen atom between two other atoms, to either of which it forms a covalent bond. Tautomeric compounds exist in a mobile equilibrium with each other, so that attempts to prepare the separate substances usually result in the formation of a mixture that shows all the chemical and physical properties to be expected on the basis of the structures of the components.

[0030] The most common type of tautomerism is that involving carbonyl, or keto, compounds and unsaturated hydroxyl compounds, or enols. The structural change is the shift of a hydrogen atom between atoms of carbon and oxygen, with the rearrangement of bonds. For example, in many aliphatic aldehydes and ketones, such as acetaldehyde, the keto form is the predominant one; in phenols, the enol form is the major component.

[0031] Compounds of formula I which are basic can form pharmaceutically acceptable salts with inorganic acids such as hydrohalic acids (e.g. hydrochloric acid and hydrobromic acid), sulphuric acid, nitric acid and phosphoric acid, and the like, and with organic acids (e.g. with acetic acid, tartaric acid, succinic acid, fumaric acid, maleic acid, malic acid, salicylic acid, citric acid, methanesulphonic acid and p-toluene sulphonic acid, and the like). The formation and isolation of such salts can be carried out according to methods known in the art.

Inhibitors of Influenza

[0032] The application provides a compound of Formula I



wherein:

Y is H or P(=X)(R')(R);

R is O-R¹ or NHR^{1'};

R^{1'} is -C(R^{2a})(R^{2b})C(=O)OR³;

R' is N(R⁴)C(R^{2a})(R^{2b})C(=O)OR³, -OP(=O)(OH)OP(=O)(OH)OH, or -OR³;

R¹ is H, lower haloalkyl, or aryl, wherein aryl is phenyl or naphthyl, optionally substituted with one or more lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, halo, lower haloalkyl, -N(R^{1a})₂, acylamino, -SO₂N(R^{1a})₂, -C(=O)R^{1b}, -SO₂(R^{1c}), -NHSO₂(R^{1c}), nitro, cyano, or R^{1''};

each R^{1a} is independently H or lower alkyl;

each R^{1b} is independently -OR^{1a} or -N(R^{1a})₂;

each R^{1c} is lower alkyl;

each R^{2a} and R^{2b} is independently H, lower alkyl, -(CH₂)_rN(R^{1a})₂, lower hydroxyalkyl, -CH₂SH, -(CH₂)S(O)_pMe, -(CH₂)_nNHC(=NH)NH₂, (1*H*-indol-3-yl)methyl, (1*H*-indol-4-yl)methyl, -(CH₂)_mC(=O)R^{1b}, aryl and aryl lower alkyl, wherein aryl is optionally substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

m is 0, 1, or 2;

n is 1, 2, or 3;

p is 1 or 2;

r is 1 or 2;

or R^{2a} is H and R^{2b} and R⁴ together form (CH₂)_n;

each R³ is independently H, lower alkyl, lower haloalkyl, phenyl or phenyl lower alkyl, wherein phenyl and phenyl lower alkyl are optionally substituted with lower alkoxy;

or R³ and R^{1''} together form CH₂;

each R⁴ is independently H, lower alkyl;

or R^{2b} and R⁴ together form (CH₂)₃;

R^w, R^y, and R^z are each independently H, OH or F;

R^x is H, OH, or F;

or R³ and R^x together form a bond;

or R¹ and R^x together form a bond;

X is O or S;

Base is uracil, cytosine, guanine, adenine, thymine, or heterocycloalkyl, each of which may optionally be substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

with the proviso that if R^w is H, R^y is H, and R^z is H, then R^x is not H; and

with the proviso that Formula I is not ((2R,3R,4R,5R)-5-(4-amino-2-oxopyrimidin-1(2H)-yl)-2-(difluoromethyl)-4-fluoro-3-hydroxytetrahydrofuran-2-yl)methyl tetrahydrogen triphosphate;

or a pharmacologically acceptable salt thereof.

[0033] The application provides the above compound of Formula I, wherein R^w is H, R^y is H, R^x is OH, and R^z is OH.

[0034] The application alternatively provides the above compound of Formula I, wherein R^w is F, R^y is H, R^x is F, and R^z is OH.

[0035] The application alternatively provides the above compound of Formula I, wherein R^w is OH, R^y is H, R^x is H, and R^z is OH.

[0036] The application alternatively provides the above compound of Formula I, wherein R^w is F, R^y is H, R^x is H, and R^z is OH.

[0037] The application alternatively provides the above compound of Formula I, wherein R^W is H, R^Y is H, R^X is F, and R^Z is OH.

[0038] The application alternatively provides the above compound of Formula I, wherein R^W is H, R^Y is OH, R^X is OH, and R^Z is H.

[0039] The application alternatively provides the above compound of Formula I, wherein R^W is H, R^Y is F, R^X is OH, and R^Z is F.

[0040] The application alternatively provides the above compound of Formula I, wherein R^W is H, R^Y is F, R^X is OH, and R^Z is H.

[0041] The application alternatively provides the above compound of Formula I, wherein R^W is H, R^Y is H, R^X is OH, and R^Z is F.

[0042] The application provides the compound of Formula I, wherein R^Z is H.

[0043] The application provides the compound of Formula I, wherein R^Y is OH.

[0044] The application provides the compound of Formula I, wherein R^W is H.

[0045] The application provides the compound of Formula I, wherein R^X is OH.

[0046] The application provides the compound of Formula I, wherein R' is $O-R^3$, R^3 is lower alkyl, R is $-OR^1$, and R^1 and R^X together form a bond.

[0047] The application provides the compound of Formula I, wherein R is $-OR^1$, R^1 is phenyl substituted with $R^{1''}$, R' is $-OR^3$, and R^3 and $R^{1''}$ together form CH_2 .

[0048] The application provides the compound of Formula I, wherein X is O.

[0049] The application provides the compound of Formula I, wherein X is S.

[0050] The application provides the compound of Formula I, wherein R is $O-R^1$, and R^1 is phenyl optionally substituted with methoxy.

[0051] The application provides the compound of Formula I, wherein R is $O-R^1$, and R^1 is naphthylenyl.

[0052] The application provides the compound of Formula I, wherein R' is $N(R^4)C(R^{2a})(R^{2b})C(=O)OR^3$, R^4 is H, R^{2a} is H, R^{2b} is methyl, and R^3 is isopropyl.

[0053] The application provides the compound of Formula I, wherein R' is $-OP(=O)(OH)OP(=O)(OH)OH$.

[0054] The application provides the compound of Formula I, wherein Base is cytidine optionally substituted with halo.

- [0055] The application provides the compound of Formula I, wherein Base is uridine optionally substituted with halo.
- [0056] The application provides the compound of Formula I, wherein Base is guanosine.
- [0057] The application provides the compound of Formula I, wherein Base is adenosine.
- [0058] The application provides the compound of Formula I, wherein R^w is F if R^w is not H or OH.
- [0059] The application provides the compound of Formula I, wherein R^y is F if R^y is not H or OH.
- [0060] The application provides the compound of Formula I, wherein R^z is F if R^z is not H or OH.
- [0061] The application provides the compound of Formula I, wherein both R^y and R^z are F if both R^y and R^z are not H or OH.
- [0062] The application provides the compound of Formula I, wherein R^y is H and R^z is OH if R^y is not OH or F and R^z is not H or F.
- [0063] The application provides a compound selected from the list consisting of:

4'-Difluoromethyluridine;

4'-Difluoromethyluridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyluridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyluridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyluridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] uridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

4'-Difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluorouridine;

4'-Difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorouridine;

4'-Difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethyl-5-chlorouridine;

4'-Difluoromethyl-5-chlorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorouridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyl-5-chlorouridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine;

4'-Difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethylcytidine;

4'-Difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(benzyloxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;
 4'-Difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluorocytidine;
 4'-Difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(*S*)-1-(
 isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(*S*)-1-(
 isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;
 4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] -5-fluorocytidine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] -5-fluorocytidine;
 4'-Difluoromethyl-5-fluorecytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-chlorocytidine;
 4'-Difluoromethyl-5-chlorocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-chlorocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyl-5-chlorocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorocytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorocytidine;

4'-Difluoromethyl-5-chlorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-chlorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethyladenosine;

4'-Difluoromethyladenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyladenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyladenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyladenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] adenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;
 4'-Difluoromethyladenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyladenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-7-adenosine;
 4'-Difluoromethyl-7-adenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethyl-7-adenosine-5'-{*N,N'*-bis[(*S*)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-7-adenosine;
 4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-7-adenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-7-adenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;
 4'-Difluoromethyl-7-adenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-7-adenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylguanosine;
 4'-Difluoromethylguanosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylguanosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] guanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine;

4'-Difluoromethylguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(
(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(
(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-uridine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

2'-Deoxy-4'-difluoromethyl-2'-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] adenosine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;
 2'-Deoxy-4'-difluoromethyl-2'-fluoroadenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-4'-difluoromethyl-2'-fluoroadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-{*N,N'*-bis[(S)-1-(
 isopropoxycarbonyl)ethyl]phosphorodiamidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-{*N,N'*-bis[(S)-1-(
 isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-
 guanosine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-
 guanosine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] guanosine;
 2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine;
 2'-Deoxy-4'-difluoromethyl-2'-fluoroguanosine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-4'-difluoromethyl-2'-fluoroguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] arauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] arauridine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

 2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-arauridine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine;
 2'-Deoxy-4'-difluoromethyl-2',5-difluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-4'-difluoromethyl-2',5-difluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-arauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] aracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] aracytidine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-aracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine;
 2'-Deoxy-4'-difluoromethyl-2',5-difluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-4'-difluoromethyl-2',5-difluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-aracytidine;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine;
 4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] araadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] araadenosine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraadenosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] araguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] araguanosine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Dideoxy-2'-difluoro-4'-difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Dideoxy-2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-cytidine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl) cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl) cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-fluoro-4'-difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] guanosine;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-3',5'-cyclic phosphoric acid isopropyl ester;
 2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylarauridine;
 4'-Difluoromethylarauridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylarauridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylarauridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethylarauridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 4'-Difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] arauridine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] arauridine;
 4'-Difluoromethylarauridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroarauridine;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-difluoromethyl-5-fluoroarauridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroarauridine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroarauridine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroarauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroarauridine;

4'-Difluoromethyl—5-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylarauridine;

5-Chloro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

5-Chloro-4'-difluoromethylarauridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

5-Chloro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

5-Chloro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-arauridine;

5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine;

5-Chloro-4'-difluoromethylarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethylaracytidine;

4'-Difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylaracytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylaracytidine-5'-{*N,N'*-bis[(*S*)-1-(
(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] aracytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] aracytidine;

4'-Difluoromethylaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluoroaracytidine;

4'-Difluoromethyl-5-fluoroaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

4'-Difluoromethyl-5-fluoroaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethyl-5-fluoroaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

4'-Difluoromethyl-5-fluoroaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethyl-5-fluoroaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

4'-Difluoromethyl-5-fluoroaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-difluoromethyl-5-fluoroaracytidine-5'-{*N,N'*-bis[(*S*)-1-(
(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethyl-5-fluoroaracytidine-5'-{*N,N'*-bis[(*S*)-1-(
(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroaracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroaracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroaracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroaracytidine;
 4'-Difluoromethyl—5-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylaracytidine;
 5-Chloro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 5-Chloro-4'-difluoromethylaracytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 5-Chloro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 5-Chloro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 5-Chloro-4'-difluoromethylaracytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 5-Chloro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 5-Chloro-4'-difluoromethylaracytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 5-Chloro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;
 5-Chloro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;
 5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-aracytidine;
 5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine;
 5-Chloro-4'-difluoromethylaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylaraadenosine;
 4'-Difluoromethylaraadenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylaraadenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylaraadenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylaraadenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylaraadenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylaraadenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylaraadenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethylaraadenosine-5'-{*N,N'*-bis[(S)-1-(
 isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;
 4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] araadenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] araadenosine;
 4'-Difluoromethylaraadenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylaraadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylaraguanosine;
 4'-Difluoromethylaraguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylaraadenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylaraguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylaraguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;

4'-Difluoromethylaraguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylaraguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] araguanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] araguanosine;

4'-Difluoromethylaraguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylaraguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] uridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(
 isopropoxycarbonyl)ethyl]phosphorodiamidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(*S*)-1-(
 isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-
 cytidine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] cytidine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]xylocytidine;
 5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]xylocytidine;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xyloguanosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xyloguanosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine;

4'-Difluoromethylxylouridine;
 4'-Difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;
 4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;
 4'-Difluoromethylxylouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroxylouridine;
 4'-Difluoromethyl-5-fluoroxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxylouridine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxylouridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroxylouridine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroxylouridine;

4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylxylouridine;

5-Chloro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-4'-difluoromethylxylouridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

5-Chloro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

5-Chloro-4'-difluoromethylxyloouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylxyloouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylxylocytidine;
 4'-Difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethylxylocytidine-5'-{*N,N'*-bis[(*S*)-1-(
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 4'-Difluoromethylxylocytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylxylocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroxycytidine;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;

4'-Difluoromethyl-5-fluoroxycytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluoroxycytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluoroxycytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluoroxycytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethyl-5-fluoroxycytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxycytidine;

4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxycytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroxycytidine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroxycytidine;

4'-Difluoromethyl-5-fluoroxyluridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluoroxycytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylxycytidine;

5-Chloro-4'-difluoromethylxycytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxycytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxycytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxycytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxycytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxycytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxycytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-4'-difluoromethylxylocytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 5-Chloro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 5-Chloro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 5-Chloro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 5-Chloro-4'-difluoromethylxylocytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylxylocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylxyloadenosine;
 4'-Difluoromethylxyloadenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl; phosphoramidate;
 4'-Difluoromethylxyloadenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxyloadenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxyloadenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxyloadenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxyloadenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxyloadenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethylxyloadenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine;
 4'-Difluoromethylxyloadenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylxyloadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylxyloguanosine;
 4'-Difluoromethylxyloguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylxyloguanosine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylxyloguanosine-5'-{*N,N'*-bis[(*S*)-1-(
(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine;

4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine;

4'-Difluoromethylxyloguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylxyloguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(
(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(
(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(
(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-fluorouridine-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorouridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]uridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorocytidine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy -3',3'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl]cytidine;

5-Chloro-3'-deoxy -3',3'-difluoro -4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl]cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

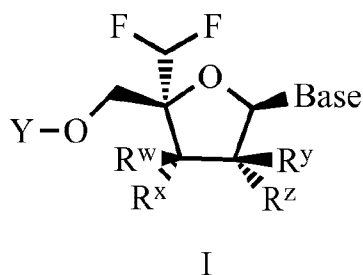
3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] adenosine;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(*O*-phenyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(*O*-1-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(*O*-2-naphthyl-*N*-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-{*N,N'*-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;
 3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] guanosine; and
 3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine.

[0064] The application provides a compound of Formula I for use as a therapeutically active substance.

- [0065] The application provides a pharmaceutical composition comprising a compound in accordance with Formula I and a therapeutically inert carrier.
- [0066] The application provides the above pharmaceutical composition, in combination with one or more antiviral compounds.
- [0067] The application provides the above pharmaceutical composition, wherein the one or more antiviral compounds comprises one or more anti-Influenza compounds.
- [0068] The application provides a compound of Formula I for use in the treatment or prophylaxis of Influenza infection.
- [0069] The application provides a pharmaceutical composition comprising a compound in accordance with Formula I for use in the treatment or prophylaxis of Influenza infection.
- [0070] The application provides a composition comprising the compound of Formula I.
- [0071] The application provides the above composition of Formula I, admixed with at least one carrier, diluent or excipient.
- [0072] The application provides a composition comprising the compound of Formula I in combination with one or more antiviral compounds.
- [0073] The application provides a composition comprising the compound of Formula I in combination with one or more anti-Influenza compounds.
- [0074] The application provides a composition comprising the compound of Formula I in combination with one or more antiviral compounds, admixed with at least one carrier, diluent or excipient.
- [0075] The application provides a composition comprising the compound of Formula I in combination with one or more anti-Influenza compounds, admixed with at least one carrier, diluent or excipient.
- [0076] The application provides a method of preventing or treating a virus comprising administering to a patient in need thereof a therapeutically effective amount of the compound of Formula I
- [0077] The application provides a method for treating an Influenza infection comprising administering to a patient in need thereof a therapeutically effective amount of a compound of Formula I, or a compound resulting in the formation of a compound of Formula I *in vivo*,



wherein:

Y is H or P(=X)(R')(R);

R is O-R¹ or NHR^{1'};

R^{1'} is -C(R^{2a})(R^{2b})C(=O)OR³;

R' is N(R⁴)C(R^{2a})(R^{2b})C(=O)OR³, -OP(=O)(OH)OP(=O)(OH)OH, or -OR³;

R¹ is H, lower haloalkyl, or aryl, wherein aryl is phenyl or naphthyl, optionally substituted with one or more lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, halo, lower haloalkyl, -N(R^{1a})₂, acylamino, -SO₂N(R^{1a})₂, -C(=O)R^{1b}, -SO₂(R^{1c}), -NHSO₂(R^{1c}), nitro, cyano, or R^{1''};

each R^{1a} is independently H or lower alkyl;

each R^{1b} is independently -OR^{1a} or -N(R^{1a})₂;

each R^{1c} is lower alkyl;

each R^{2a} and R^{2b} is independently H, lower alkyl, -(CH₂)_rN(R^{1a})₂, lower hydroxyalkyl, -CH₂SH, -(CH₂)S(O)_pMe, -(CH₂)_nNHC(=NH)NH₂, (1*H*-indol-3-yl)methyl, (1*H*-indol-4-yl)methyl, -(CH₂)_mC(=O)R^{1b}, aryl and aryl lower alkyl, wherein aryl is optionally substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

m is 0, 1, or 2;

n is 1, 2, or 3;

p is 1 or 2;

r is 1 or 2;

or R^{2a} is H and R^{2b} and R⁴ together form (CH₂)_n;

each R³ is independently H, lower alkyl, lower haloalkyl, phenyl or phenyl lower alkyl, wherein phenyl and phenyl lower alkyl are optionally substituted with lower alkoxy;

or R³ and R^{1''} together form CH₂;

each R^4 is independently H, lower alkyl;

or R^{2b} and R^4 together form $(CH_2)_3$;

R^w , R^y , and R^z are each independently H, OH or F;

R^x is H, OH, or F;

or R^3 and R^x together form a bond;

or R^1 and R^x together form a bond;

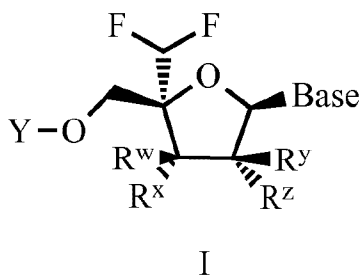
X is O or S;

Base is uracil, cytosine, guanine, adenine, thymine, or heterocycloalkyl, each of which may optionally be substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano; and

with the proviso that if R^w is H, R^y is H, and R^z is H, then R^x is not H;

or a pharmacologically acceptable salt thereof.

The application provides a method for treating an Influenza infection comprising administering to a patient in need thereof a therapeutically effective amount of a compound of Formula I or a compound resulting in the formation of a compound of Formula I *in vivo*,



wherein:

Y is H or $P(=X)(R')(R)$;

R is $O-R^1$ or $NHR^{1'}$;

$R^{1'}$ is $-C(R^{2a})(R^{2b})C(=O)OR^3$;

R' is $N(R^4)C(R^{2a})(R^{2b})C(=O)OR^3$, $-OP(=O)(OH)OP(=O)(OH)OH$, or $-OR^3$;

R^1 is H, lower haloalkyl, or aryl, wherein aryl is phenyl or naphthyl, optionally substituted with one or more lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy,

halo, lower haloalkyl, $-N(R^{1a})_2$, acylamino, $-SO_2N(R^{1a})_2$, $-C(=O)R^{1b}$, $-SO_2(R^{1c})$, $-NHSO_2(R^{1c})$, nitro, cyano, or $R^{1''}$;

each R^{1a} is independently H or lower alkyl;

each R^{1b} is independently $-OR^{1a}$ or $-N(R^{1a})_2$;

each R^{1c} is lower alkyl;

each R^{2a} and R^{2b} is independently H, lower alkyl, $-(CH_2)_rN(R^{1a})_2$, lower hydroxyalkyl, $-CH_2SH$, $-(CH_2)_pS(O)_pMe$, $-(CH_2)_nNHC(=NH)NH_2$, $(1H\text{-indol-3-yl})methyl$, $(1H\text{-indol-4-yl})methyl$, $-(CH_2)_mC(=O)R^{1b}$, aryl and aryl lower alkyl, wherein aryl is optionally substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

m is 0, 1, or 2;

n is 1, 2, or 3;

p is 1 or 2;

r is 1 or 2;

or R^{2a} is H and R^{2b} and R^4 together form $(CH_2)_n$;

each R^3 is independently H, lower alkyl, lower haloalkyl, phenyl or phenyl lower alkyl, wherein phenyl and phenyl lower alkyl are optionally substituted with lower alkoxy;

or R^3 and $R^{1''}$ together form CH_2 ;

each R^4 is independently H, lower alkyl;

or R^{2b} and R^4 together form $(CH_2)_3$;

R^w , R^y , and R^z are each independently H, OH or F;

R^x is H, OH, or F;

or R^3 and R^x together form a bond;

or R^1 and R^x together form a bond;

X is O or S; and

Base is uracil, cytosine, guanine, adenine, thymine, or heterocycloalkyl, each of which may optionally be substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

or a pharmacologically acceptable salt thereof.

[0078] The application provides a method for treating an Influenza infection comprising administering to a patient in need thereof a therapeutically effective amount of a compound of Formula I or a compound resulting in the formation of a compound of Formula I in vivo.

[0079] The application provides the use of a compound of Formula I in the preparation of a medicament for the treatment of a viral infection.

[0080] The application provides the use of the compound of Formula I in the preparation of a medicament for the treatment of an Influenza infection.

[0081] The application provides any compound, composition, method, or use as described herein.

[0082] The application provides the above method, further comprising administering an immune system modulator or one or more antiviral agents that inhibits replication of Influenza, or a combination thereof.

[0083] The application provides the above method for inhibiting replication of Influenza in a cell comprising administering a compound of Formula I.

[0084] Examples of representative compounds encompassed by the present invention and within the scope of the invention are provided in the following Tables. These examples and preparations which follow are provided to enable those skilled in the art to more clearly understand and to practice the present invention. They should not be considered as limiting the scope of the invention, but merely as being illustrative and representative thereof.

[0085] In general, the nomenclature used in this Application is based on standard nucleic acid nomenclature common to one of ordinary skill in the art. If there is a discrepancy between a depicted structure and a name given that structure, the depicted structure is to be accorded more weight. In addition, if the stereochemistry of a structure or a portion of a structure is not indicated with, for example, bold or dashed lines, the structure or portion of the structure is to be interpreted as encompassing all stereoisomers of it.

Table 1. Examples of compounds of generic Formula I.

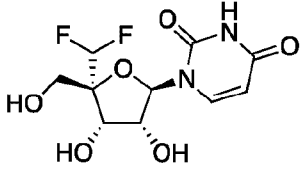
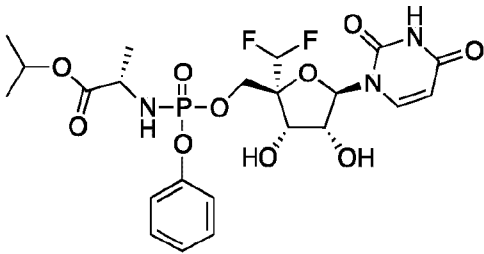
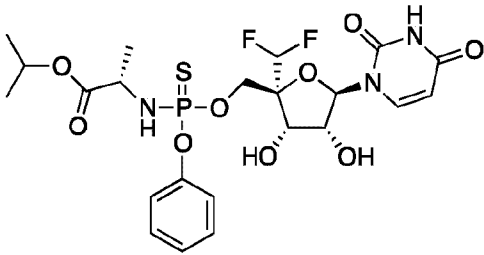
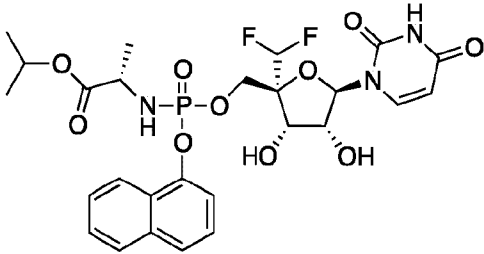
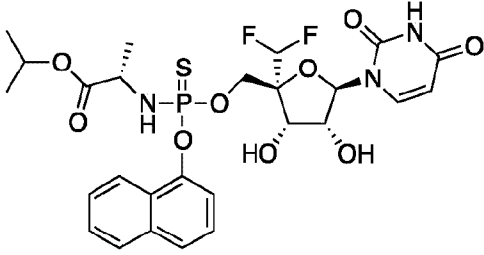
Compound Number	Structure	Name
I-1		4'-Difluoromethyluridine
I-2		4'-Difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-3		4'-Difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-4		4'-Difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-5		4'-Difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-6		4'-Difluoromethyluridine-5'- (<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-7		4'-Difluoromethyluridine-5'- (<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-8		4'-Difluoromethyluridine-5'- { <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]ph osphorodiamidate}
I-9		4'-Difluoromethyluridine-5'- { <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]thi ophosphorodiamidate}

Table 1. Examples of compounds of generic Formula I.

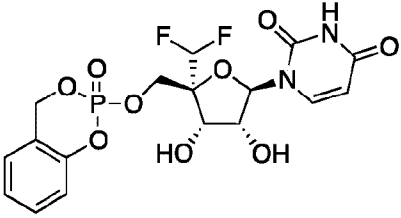
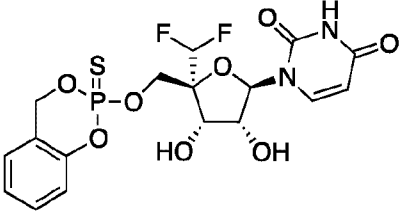
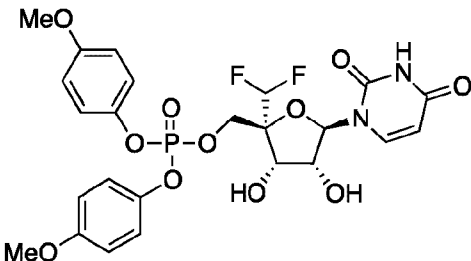
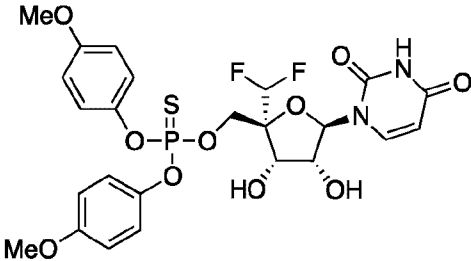
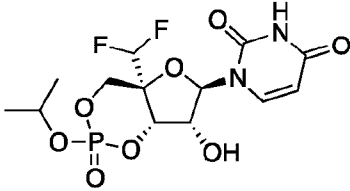
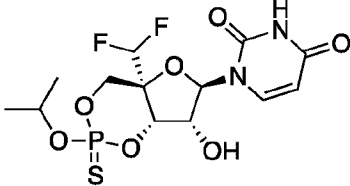
Compound Number	Structure	Name
I-10		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-11		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-12		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]uridine
I-13		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]uridine
I-14		4'-Difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester
I-15		4'-Difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-16		4'-Difluoromethyl-5-fluorouridine
I-17		4'-Difluoromethyl-5-fluorouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-18		4'-Difluoromethyl-5-fluorouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-19		4'-Difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-20		4'-Difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-21		4'-Difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-22		4'-Difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-23		4'-Difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]phosphorodiamidate}
I-24		4'-Difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]thiophosphorodiamidate}

Table 1. Examples of compounds of generic Formula I.

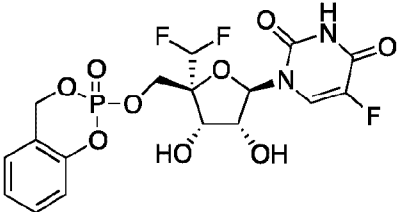
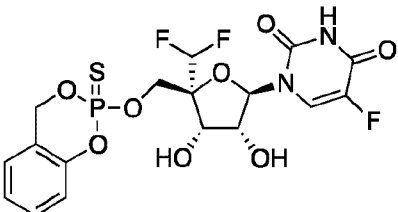
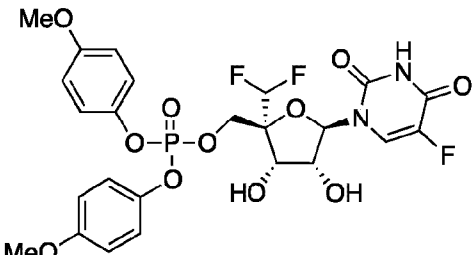
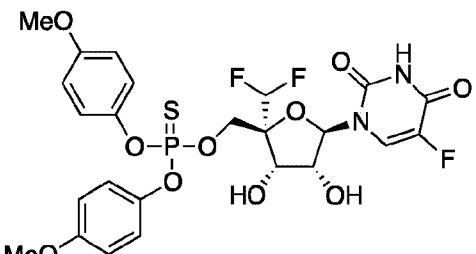
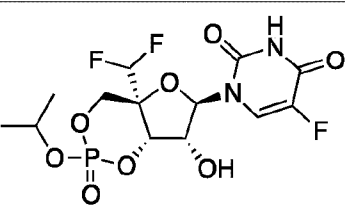
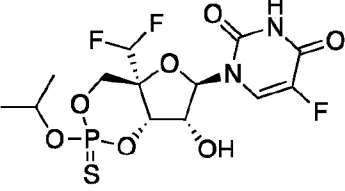
Compound Number	Structure	Name
I-25		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine
I-26		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine
I-27		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine
I-28		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorouridine
I-29		4'-Difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-30		4'-Difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

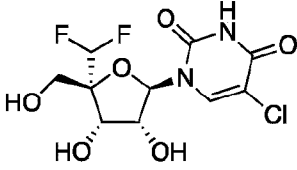
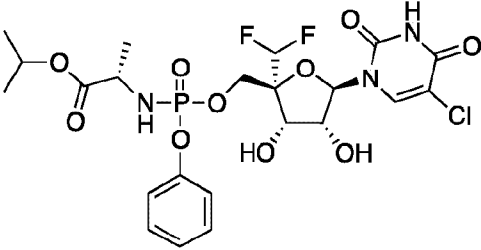
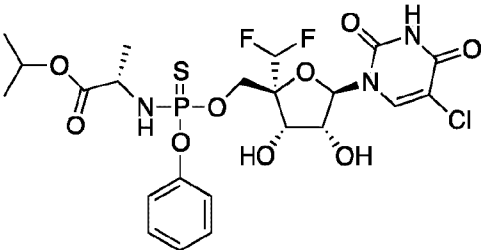
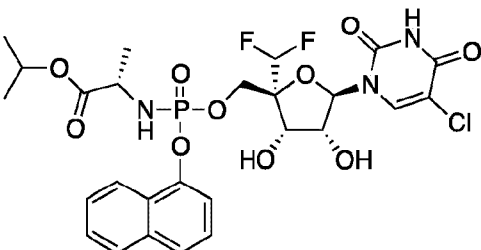
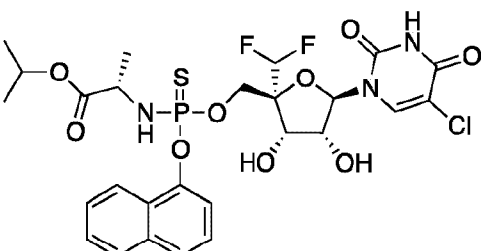
Compound Number	Structure	Name
I-31		4'-Difluoromethyl-5-chlorouridine
I-32		4'-Difluoromethyl-5-chlorouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-33		4'-Difluoromethyl-5-chlorouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-34		4'-Difluoromethyl-5-chlorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-35		4'-Difluoromethyl-5-chlorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

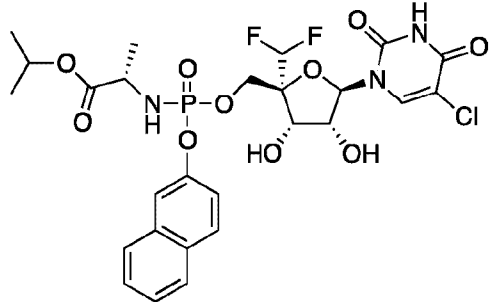
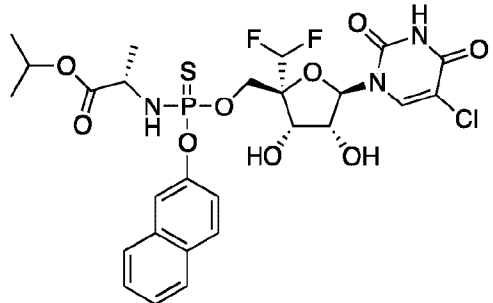
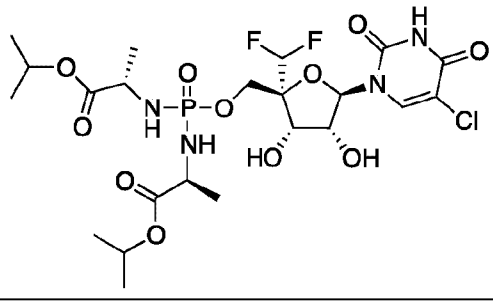
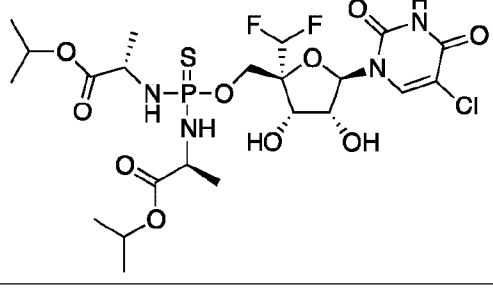
Compound Number	Structure	Name
I-36		4'-Difluoromethyl-5-chlorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-37		4'-Difluoromethyl-5-chlorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-38		4'-Difluoromethyl-5-chlorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate}
I-39		4'-Difluoromethyl-5-chlorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate}

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-40		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine
I-41		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine
I-42		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine
I-43		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine
I-44		4'-Difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-45		4'-Difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

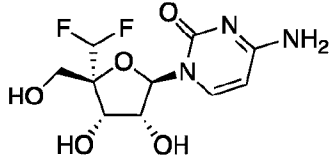
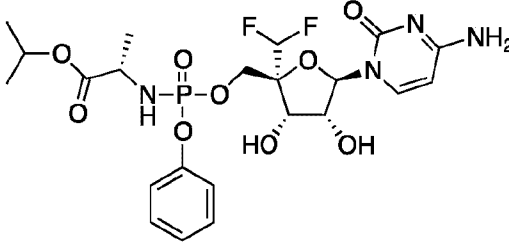
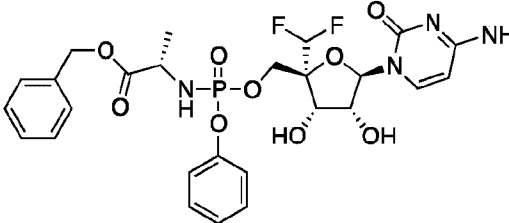
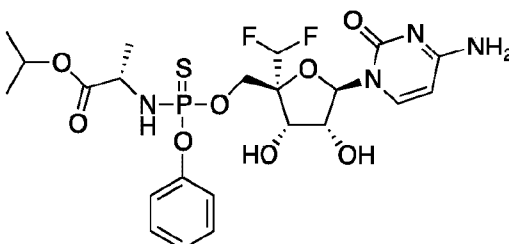
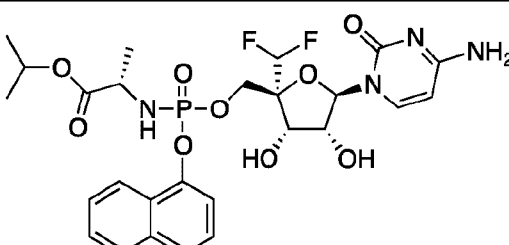
Compound Number	Structure	Name
I-46		4'-Difluoromethylcytidine
I-47		4'-Difluoromethylcytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-48		4'-Difluoromethylcytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(benzyloxycarbonyl)ethyl phosphoramidate
I-49		4'-Difluoromethylcytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-50		4'-Difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-51		4'-Difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-52		4'-Difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-53		4'-Difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-54		4'-Difluoromethylcytidine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate}

Table 1. Examples of compounds of generic Formula I.

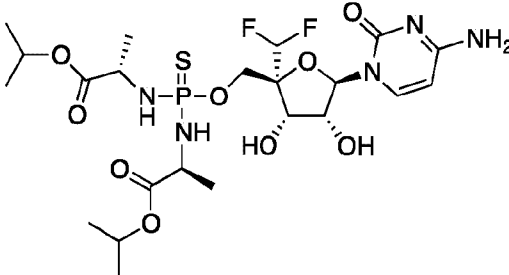
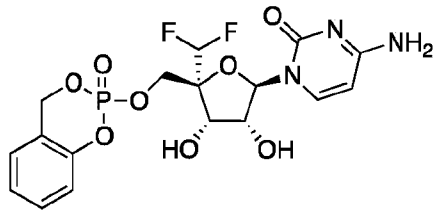
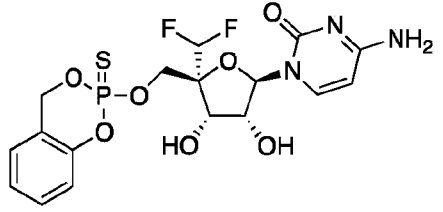
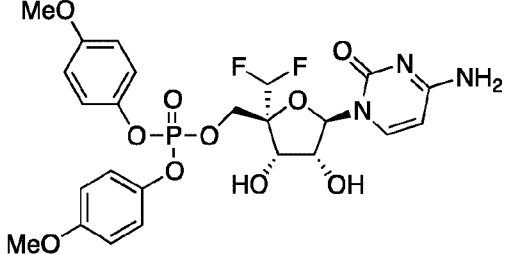
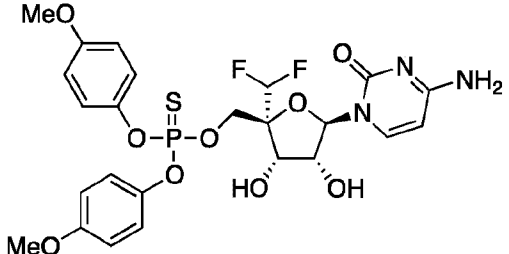
Compound Number	Structure	Name
I-55		4'-Difluoromethylcytidine-5'- { <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate}
I-56		4'-Difluoromethyl-5'- <i>O</i> -(2- oxido-4- <i>H</i> -1,3,2- benzodioxaphosphorin-2-yl)- cytidine
I-57		4'-Difluoromethyl-5'- <i>O</i> -(2- sulfide-4- <i>H</i> -1,3,2- benzodioxaphosphorin-2-yl)- cytidine
I-58		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)phosphinyl] cytidine
I-59		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)thiophosphin yl] cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-60		4'-Difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-61		4'-Difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-62		4'-Difluoromethyl-5-fluorocytidine
I-63		4'-Difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-64		4'-Difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-65		4'-Difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

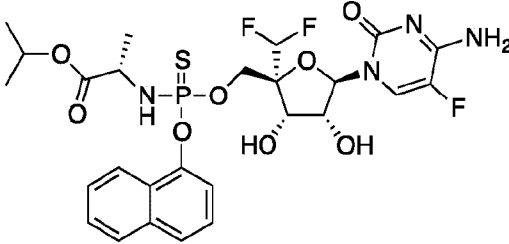
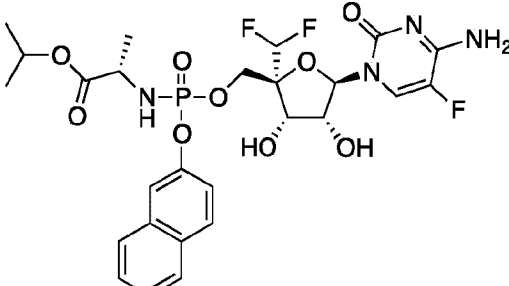
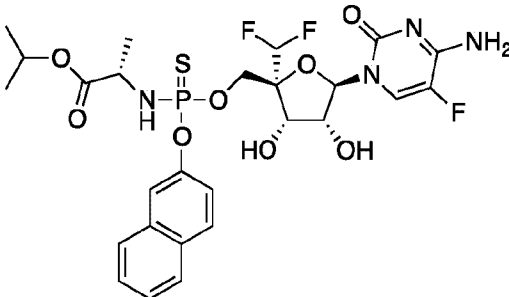
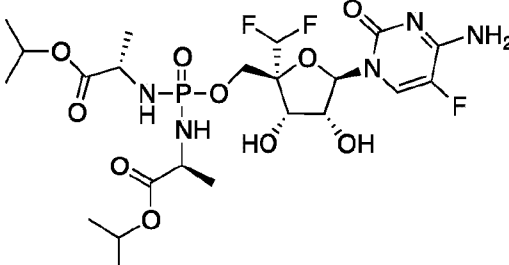
Compound Number	Structure	Name
I-656		4'-Difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-67		4'-Difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-68		4'-Difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-69		4'-Difluoromethyl-5-fluorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate}

Table 1. Examples of compounds of generic Formula I.

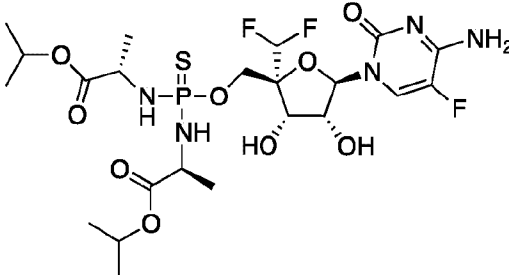
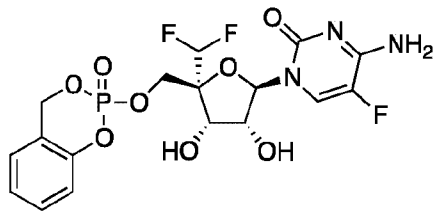
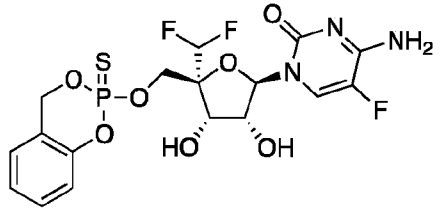
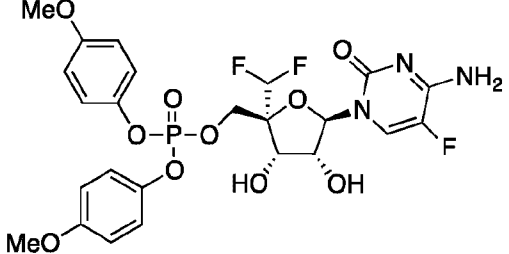
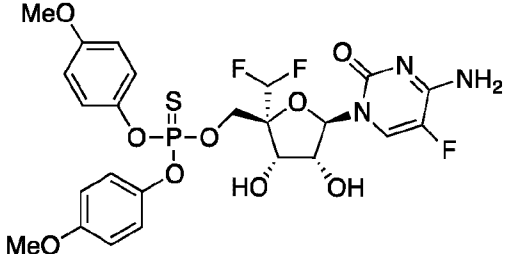
Compound Number	Structure	Name
I-70		4'-Difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate}
I-71		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-72		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-73		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine
I-74		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-75		4'-Difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-76		4'-Difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-77		4'-Difluoromethyl-5-chlorocytidine
I-78		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-79		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-80		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

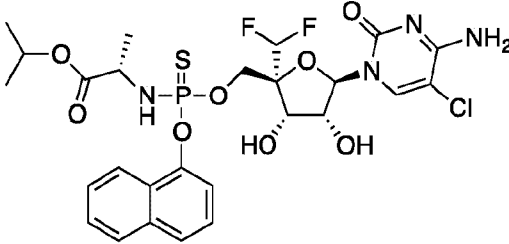
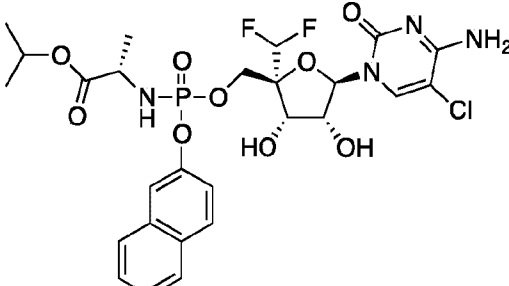
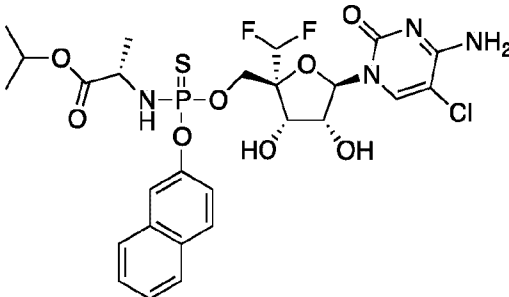
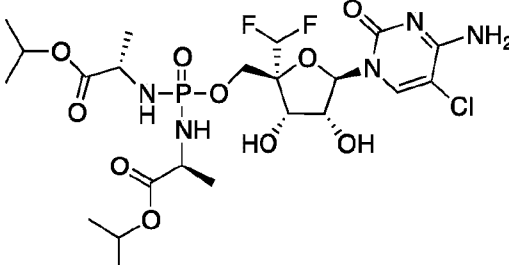
Compound Number	Structure	Name
I-81		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-82		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-83		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-84		4'-Difluoromethyl-5-chlorocytidine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate}

Table 1. Examples of compounds of generic Formula I.

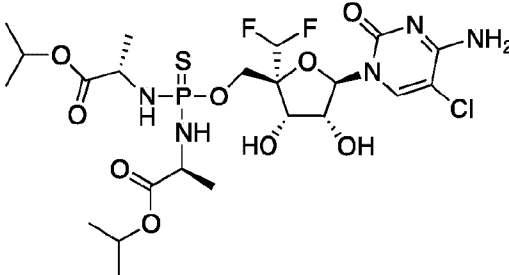
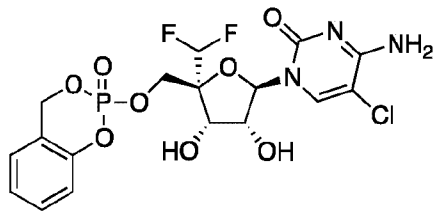
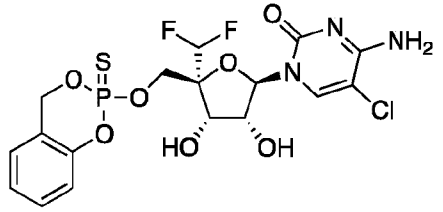
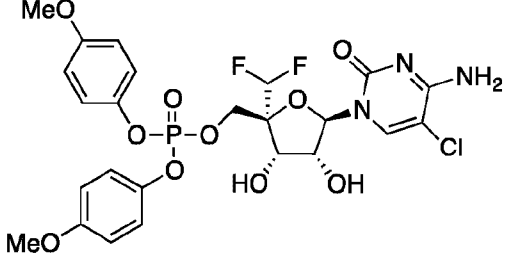
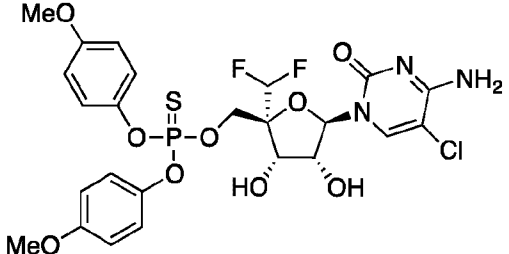
Compound Number	Structure	Name
I-85		4'-Difluoromethyl-5-chlorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate}
I-86		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine
I-87		4'-Difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine
I-88		4'-Difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-chlorocytidine
I-89		4'-Difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-90		4'-Difluoromethyl-5-chlorocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-91		4'-Difluoromethyl-5-chlorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-92		4'-Difluoromethyladenosine
I-93		4'-Difluoromethyladenosine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-94		4'-Difluoromethyladenosine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-95		4'-Difluoromethyladenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

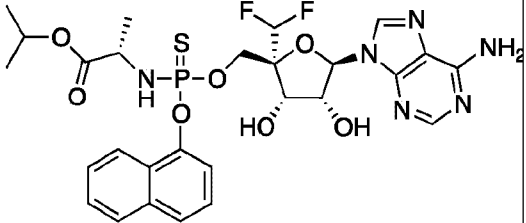
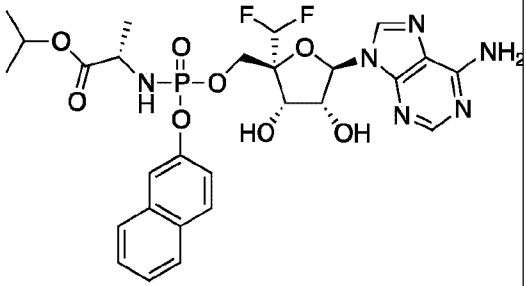
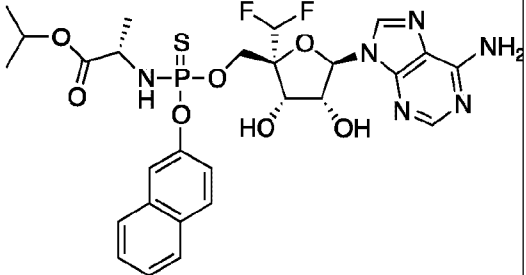
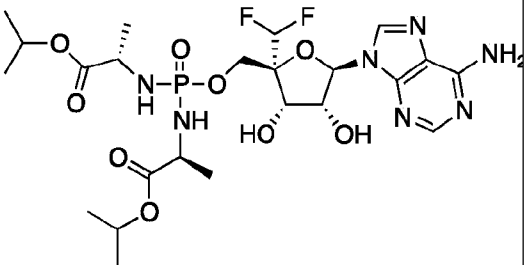
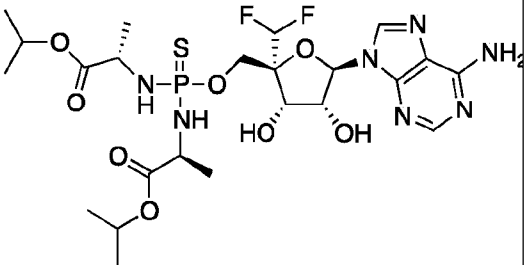
Compound Number	Structure	Name
I-96		4'-Difluoromethyladenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-97		4'-Difluoromethyladenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-98		4'-Difluoromethyladenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-99		4'-Difluoromethyladenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-100		4'-Difluoromethyladenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

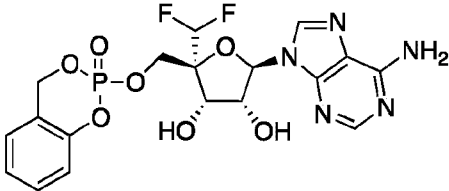
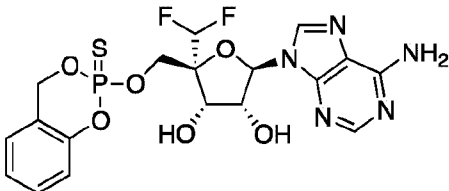
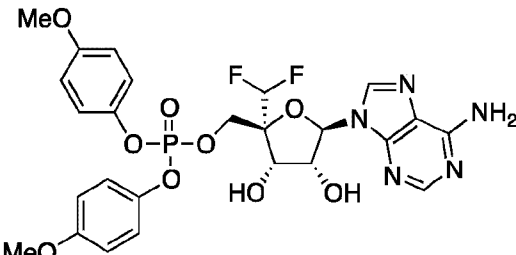
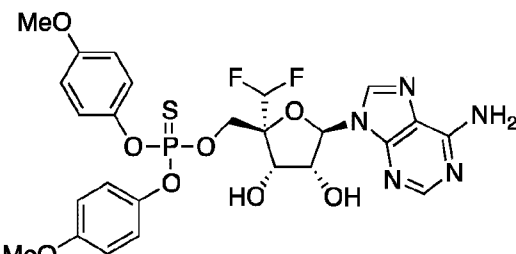
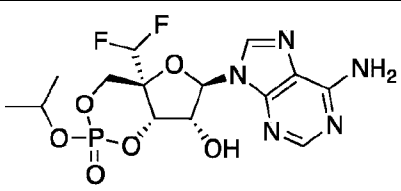
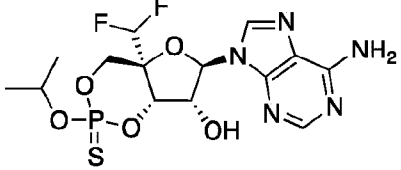
Compound Number	Structure	Name
I-101		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine
I-102		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine
I-103		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]adenosine
I-104		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]adenosine
I-105		4'-Difluoromethyladenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-106		4'-Difluoromethyladenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

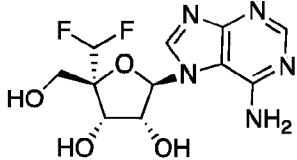
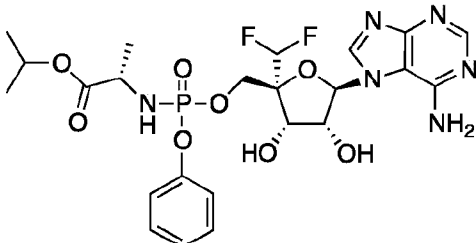
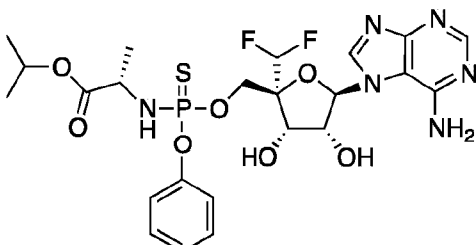
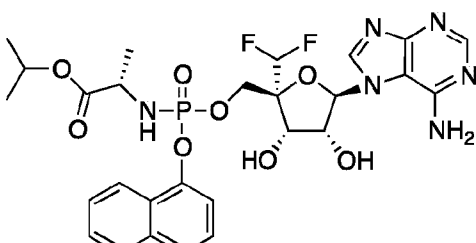
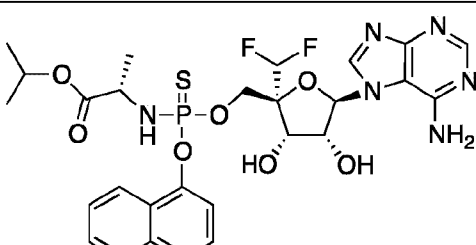
Compound Number	Structure	Name
I-107		4'-Difluoromethyl-7-adenosine
I-108		4'-Difluoromethyl-7-adenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-109		4'-Difluoromethyl-7-adenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-110		4'-Difluoromethyladenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-111		4'-Difluoromethyl-7-adenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-112		4'-Difluoromethyl-7-adenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-113		4'-Difluoromethyl-7-adenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-114		4'-Difluoromethyl-7-adenosine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]phosphorodiamidate
I-115		4'-Difluoromethyl-7-adenosine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]thiophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

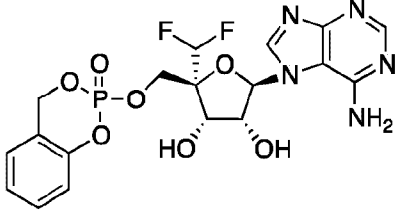
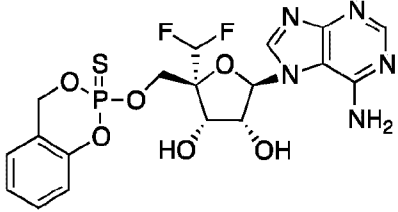
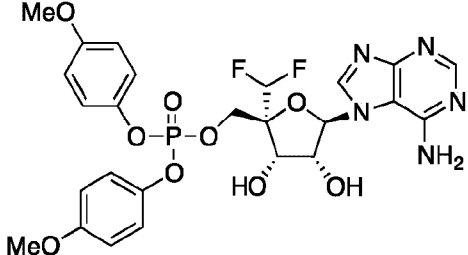
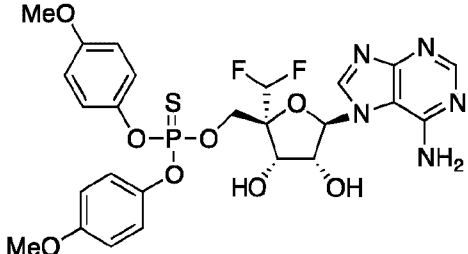
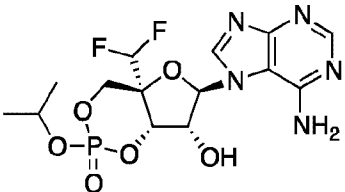
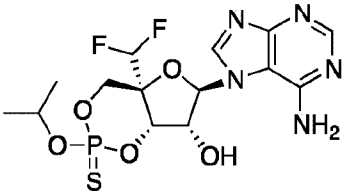
Compound Number	Structure	Name
I-116		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-7-adenosine
I-117		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-7-adenosine
I-118		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-7-adenosine
I-119		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine
I-120		4'-Difluoromethyl-7-adenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-121		4'-Difluoromethyl-7-adenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-122		4'-Difluoromethylguanosine
I-123		4'-Difluoromethylguanosine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-124		4'-Difluoromethylguanosine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-125		4'-Difluoromethylguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-126		4'-Difluoromethylguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

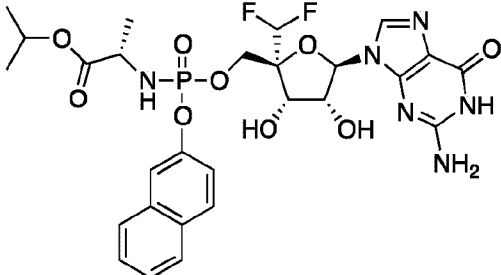
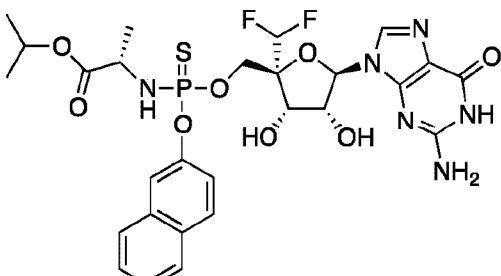
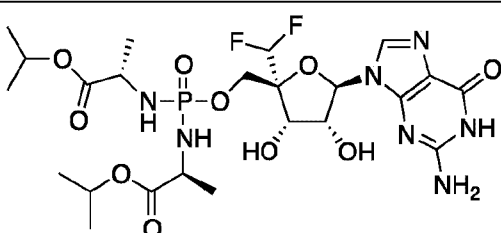
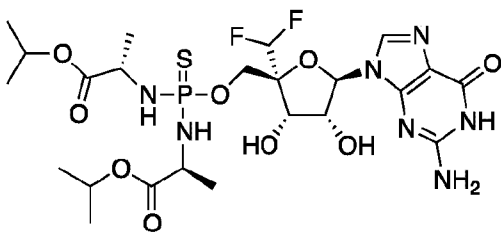
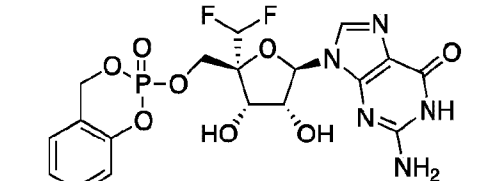
Compound Number	Structure	Name
I-127		4'-Difluoromethylguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-128		4'-Difluoromethylguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-129		4'-Difluoromethylguanosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-130		4'-Difluoromethylguanosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-131		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-guanosine

Table 1. Examples of compounds of generic Formula I.

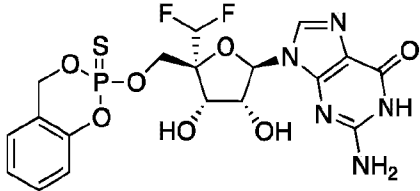
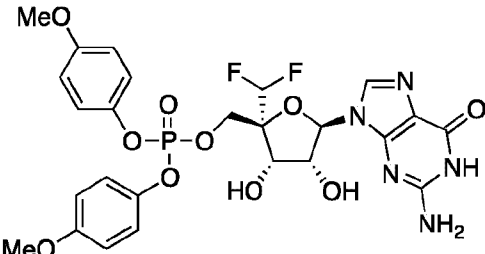
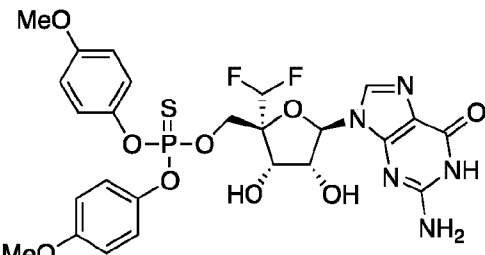
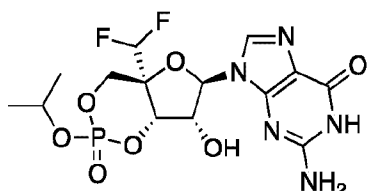
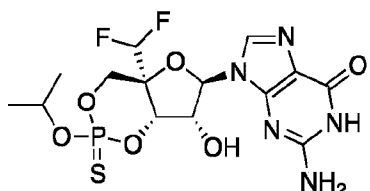
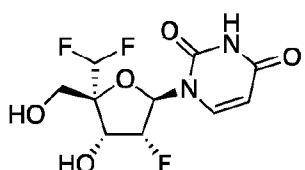
Compound Number	Structure	Name
I-132		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine
I-133		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]guanosine
I-134		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]guanosine
I-135		4'-Difluoromethylguanosine-3',5'-cyclic phosphoric acid isopropyl ester
I-136		4'-Difluoromethylguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-137		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine

Table 1. Examples of compounds of generic Formula I.

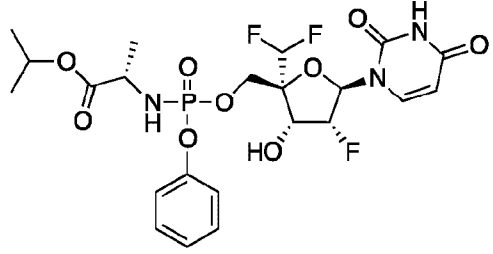
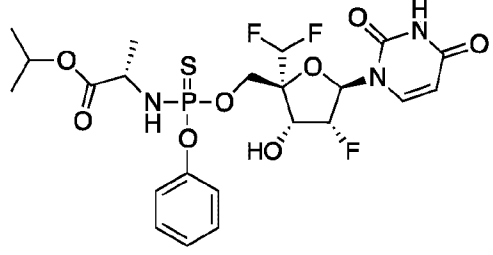
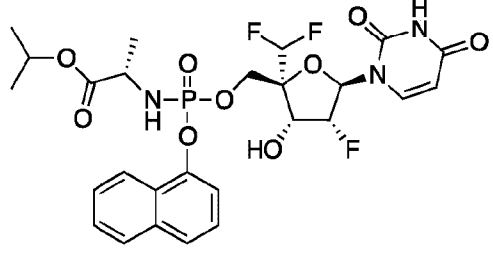
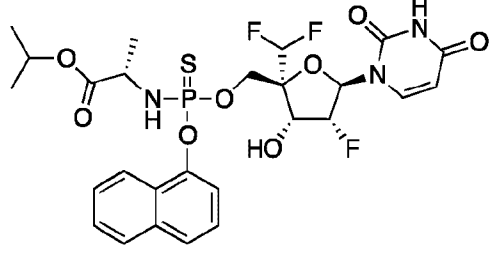
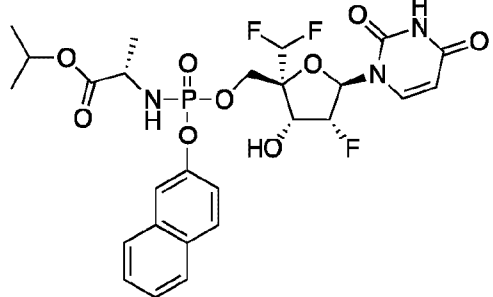
Compound Number	Structure	Name
I-138		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-139		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-140		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-141		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-142		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

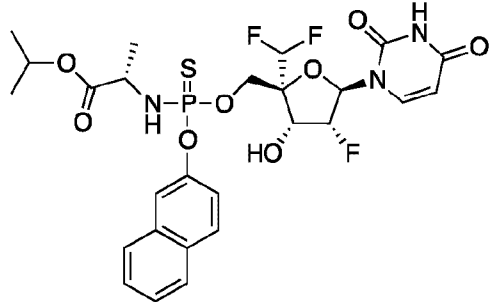
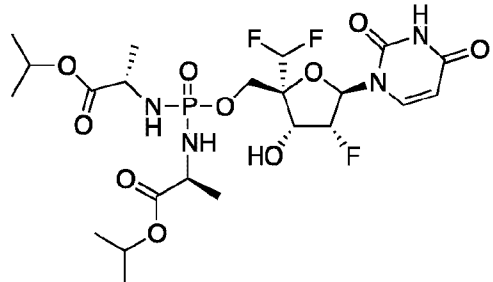
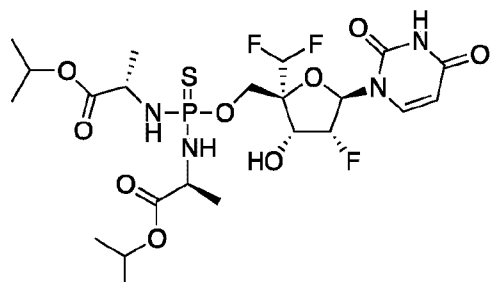
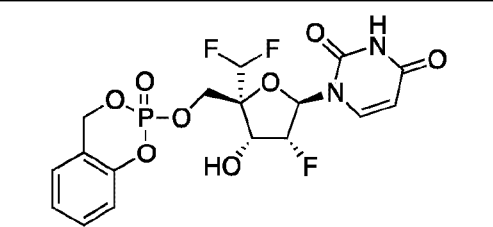
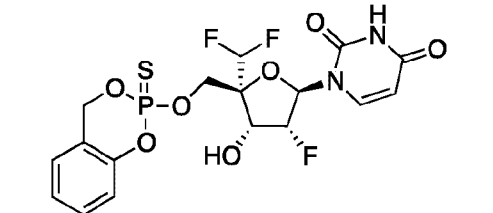
Compound Number	Structure	Name
I-143		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-144		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-145		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-146		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-147		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine

Table 1. Examples of compounds of generic Formula I.

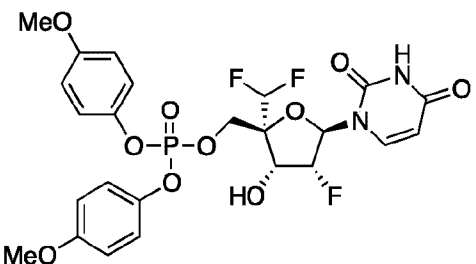
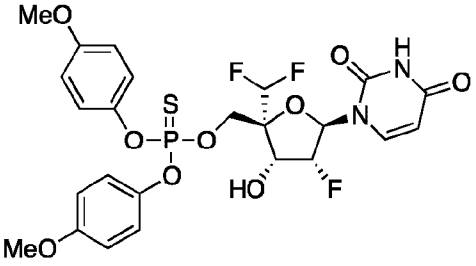
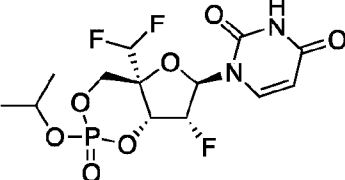
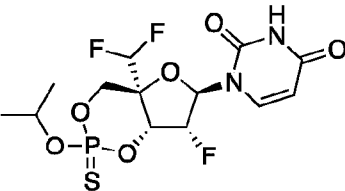
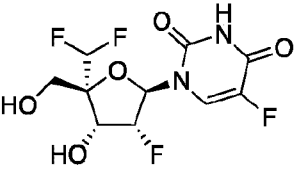
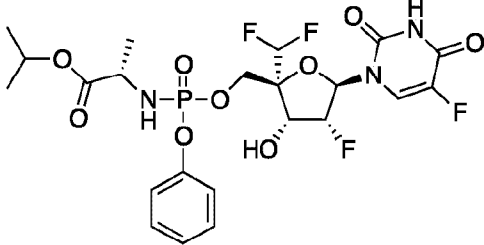
Compound Number	Structure	Name
I-148		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine
I-149		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine
I-150		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester
I-151		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-152		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine
I-153		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(isopropoxycarbonyl)ethyl phosphoramidate)

Table 1. Examples of compounds of generic Formula I.

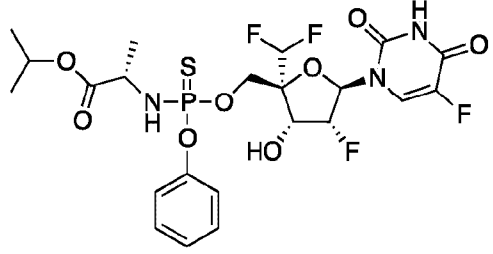
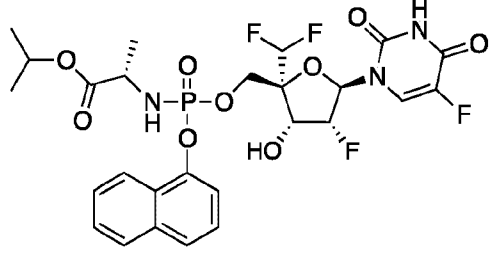
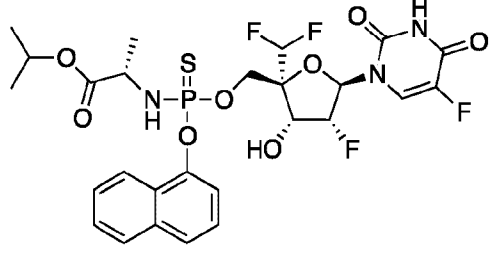
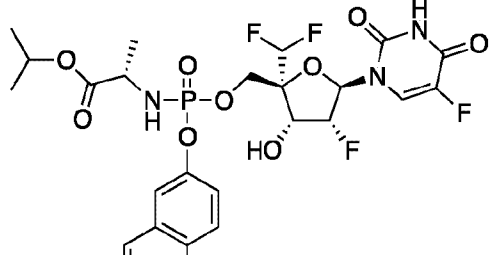
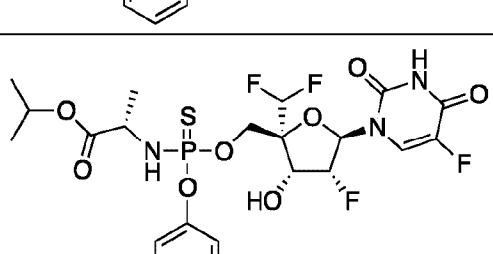
Compound Number	Structure	Name
I-154		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-155		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-156		2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-157		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-158		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-159		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-160		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-161		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine
I-162		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine
I-163		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-164		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-uridine
I-165		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-166		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-167		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine
I-168		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-169		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

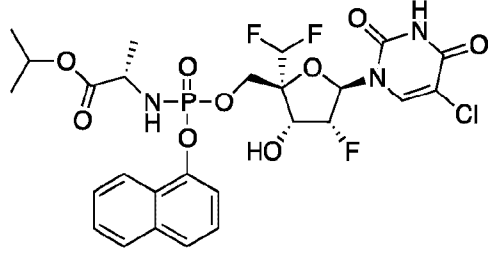
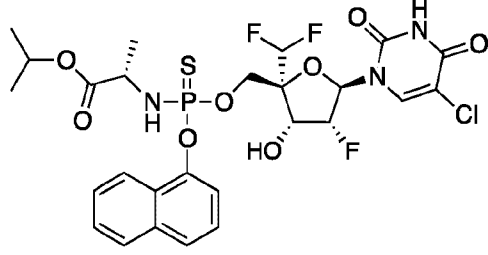
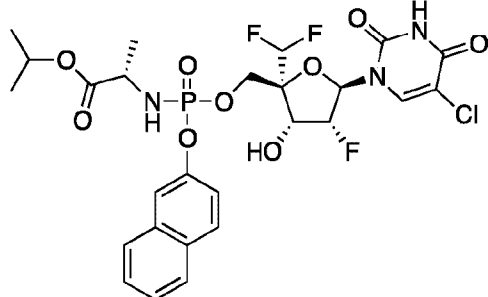
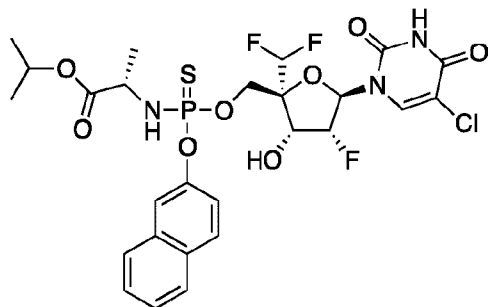
Compound Number	Structure	Name
I-170		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-171		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-172		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-173		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-174		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-175		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-176		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine
I-177		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine
I-178		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-179		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine
I-180		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-181		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-182		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine
I-183		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-184		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-185		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-186		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-187		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-188		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-189		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-190		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-191		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-192		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-193		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]cytidine
I-194		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]cytidine

Table 1. Examples of compounds of generic Formula I.

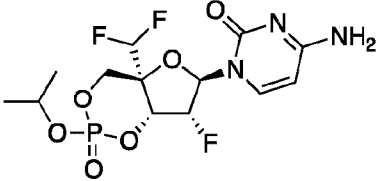
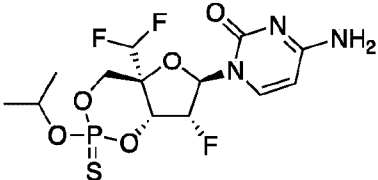
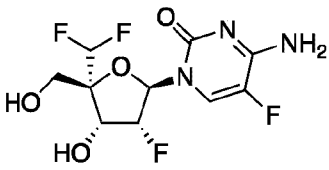
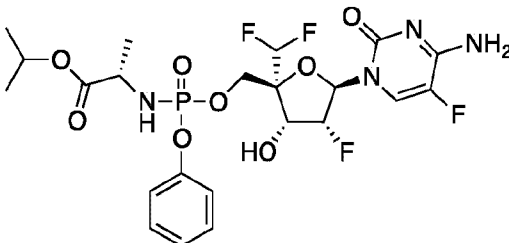
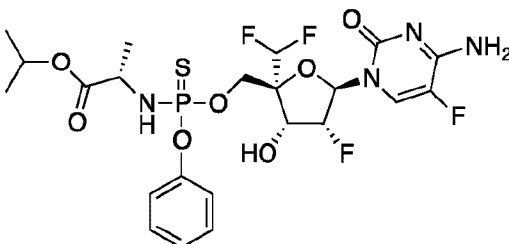
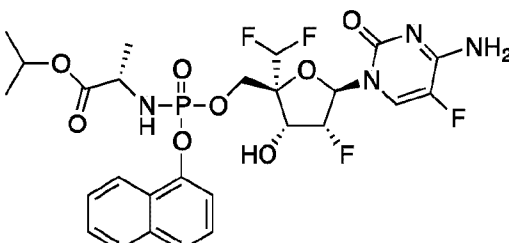
Compound Number	Structure	Name
I-195		2'-Deoxy-4'-difluoromethyl-2'-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-196		2'-Deoxy-4'-difluoromethyl-2'-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-197		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine
I-198		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-199		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-200		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

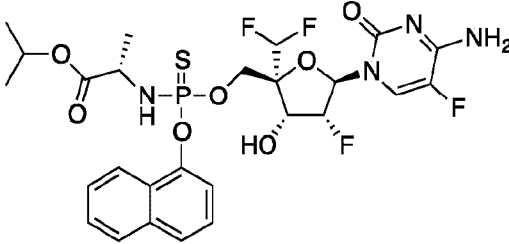
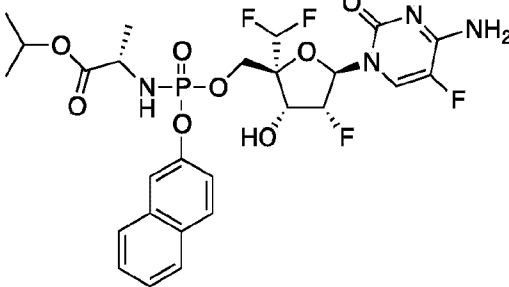
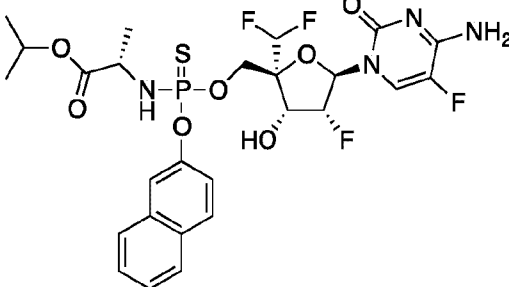
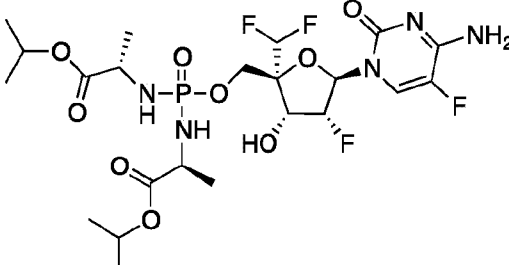
Compound Number	Structure	Name
I-201		2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-202		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-203		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-204		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-205		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-206		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-207		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-208		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine
I-209		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-210		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-211		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-212		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine
I-213		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-214		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-215		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

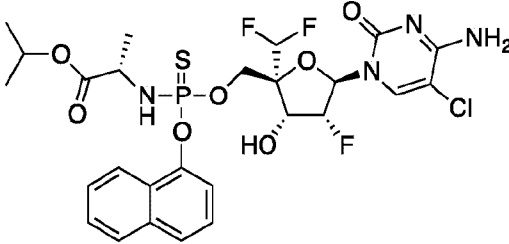
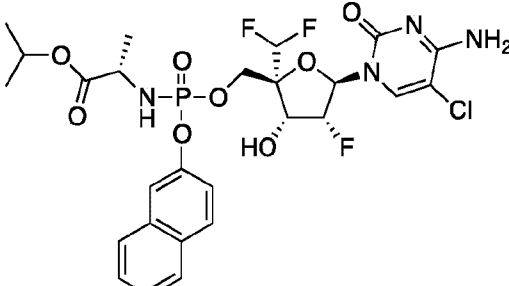
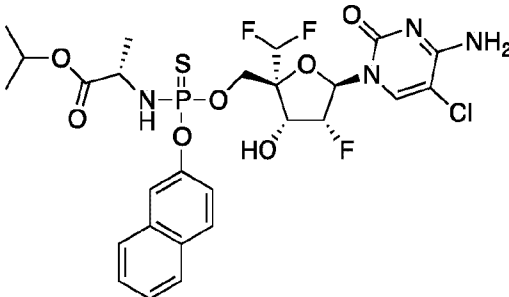
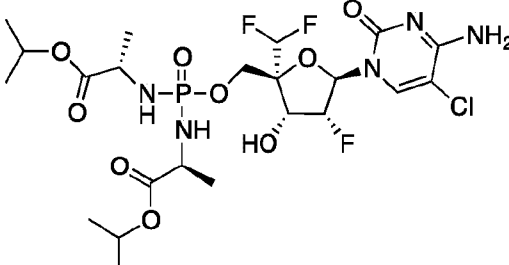
Compound Number	Structure	Name
I-216		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-217		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-218		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-219		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-220		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-221		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine
I-222		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine
I-223		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-chlorocytidine
I-224		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-225		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-226		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-227		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine
I-228		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-229		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-230		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

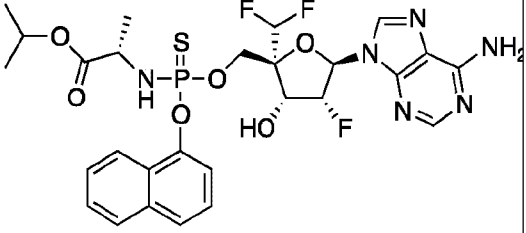
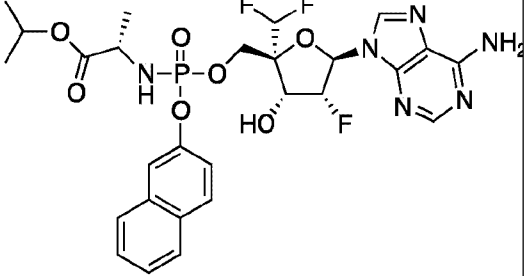
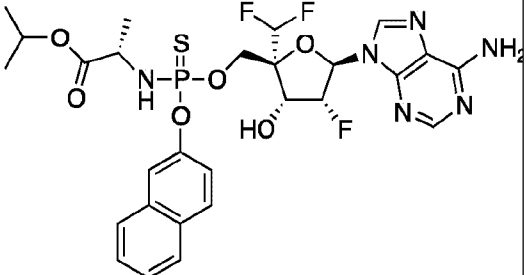
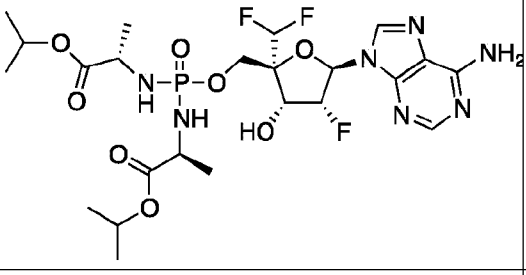
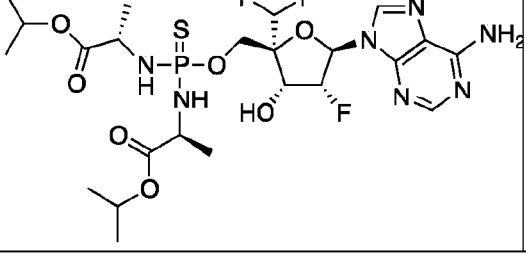
Compound Number	Structure	Name
I-231		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-232		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-233		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-234		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-235		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

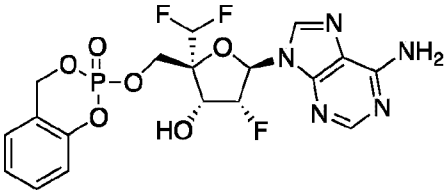
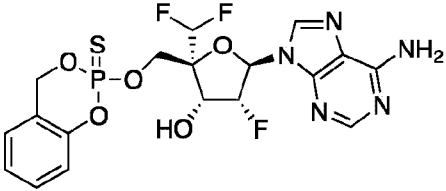
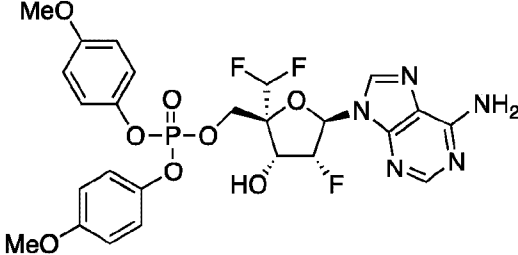
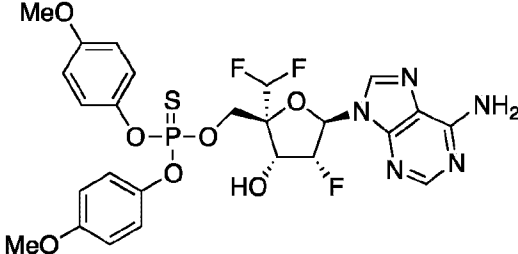
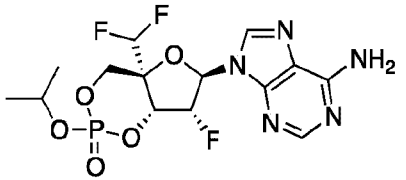
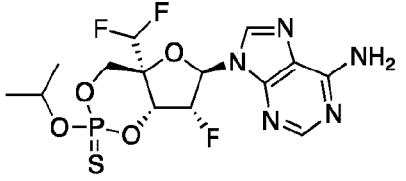
Compound Number	Structure	Name
I-236		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine
I-237		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine
I-238		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] adenosine
I-239		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine
I-240		2'-Deoxy-4'-difluoromethyl-2'-fluoroadenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-241		2'-Deoxy-4'-difluoromethyl-2'-fluoroadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

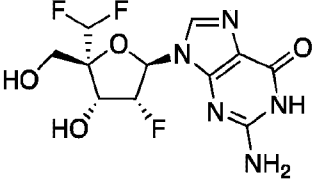
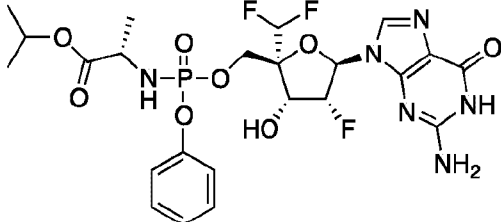
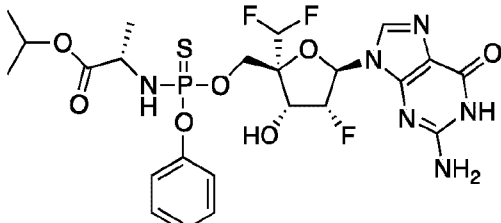
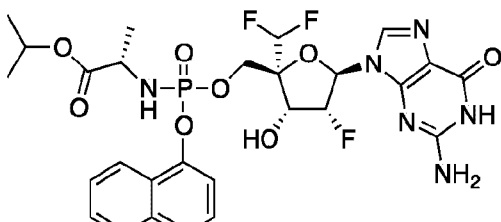
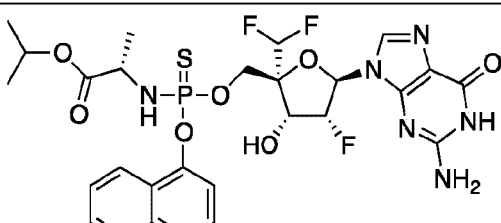
Compound Number	Structure	Name
I-242		2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine
I-243		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-244		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-245		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-246		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-247		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-248		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-249		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]phosphorodiamidate
I-250		2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]thiophosphorodiamidate
I-251		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-guanosine

Table 1. Examples of compounds of generic Formula I.

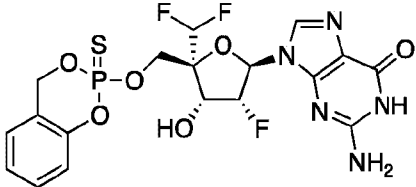
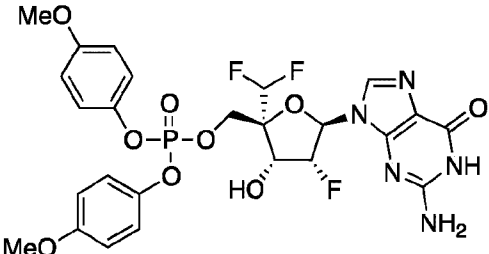
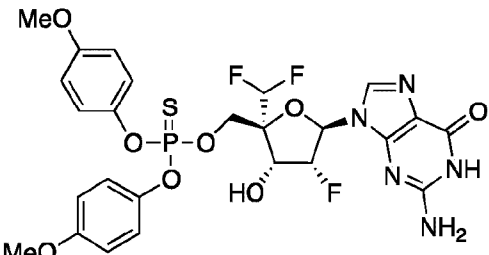
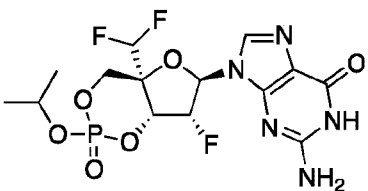
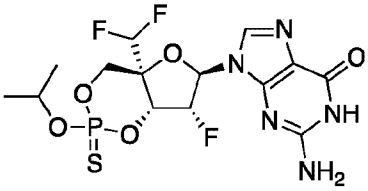
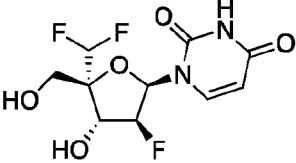
Compound Number	Structure	Name
I-252		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine
I-253		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] guanosine
I-254		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine
I-255		2'-Deoxy-4'-difluoromethyl-2'-fluoroguanosine-3',5'-cyclic phosphoric acid isopropyl ester
I-256		2'-Deoxy-4'-difluoromethyl-2'-fluoroguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-257		2'-Deoxy-2'-fluoro-4'-difluoromethylauridine

Table 1. Examples of compounds of generic Formula I.

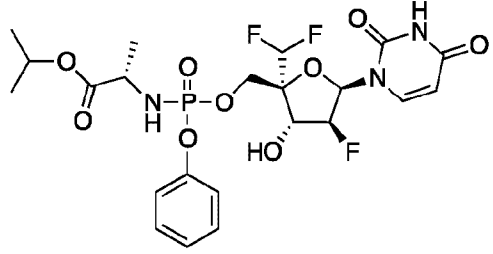
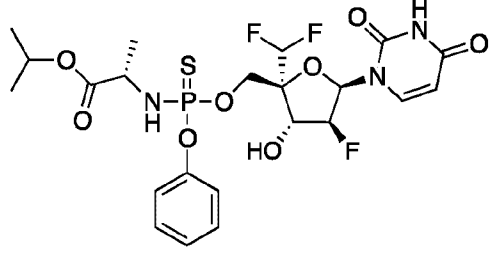
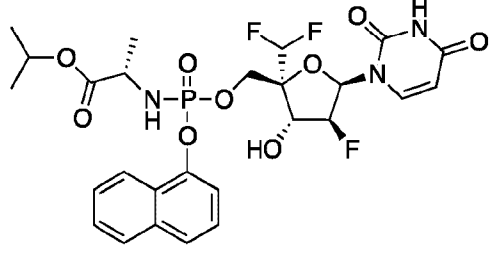
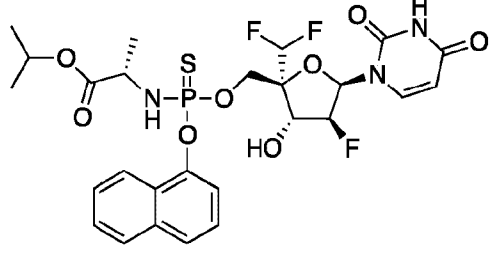
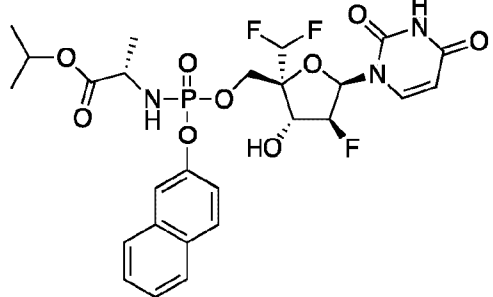
Compound Number	Structure	Name
I-258		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-259		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-260		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-261		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-262		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

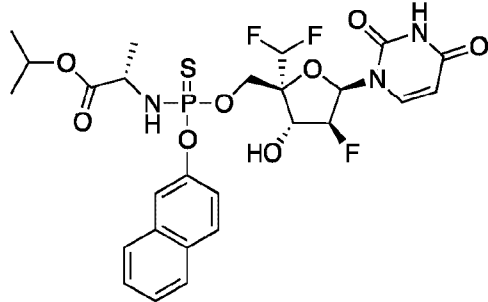
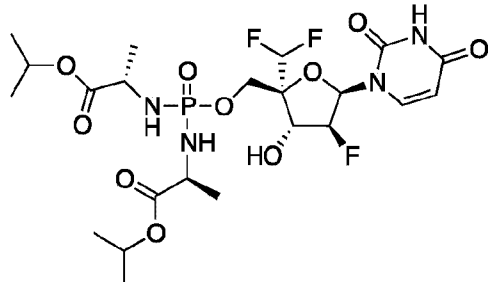
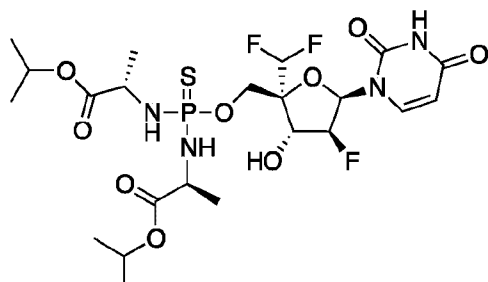
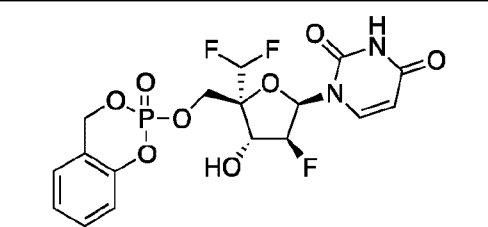
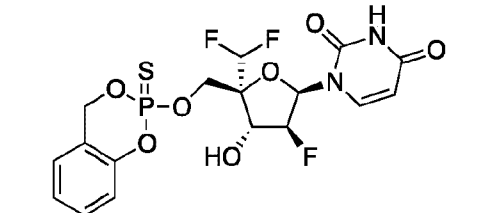
Compound Number	Structure	Name
I-263		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-264		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-265		2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-266		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-267		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-268		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] arauridine
I-269		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] arauridine
I-270		2'-Deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester
I-271		2'-Deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-272		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine
I-273		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-274		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-275		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-276		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-277		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-278		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

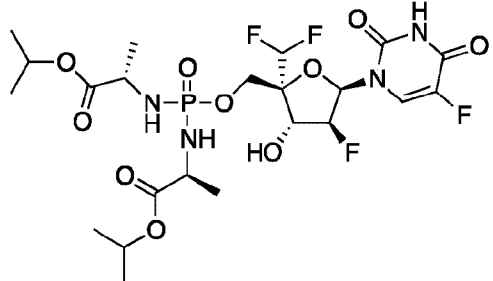
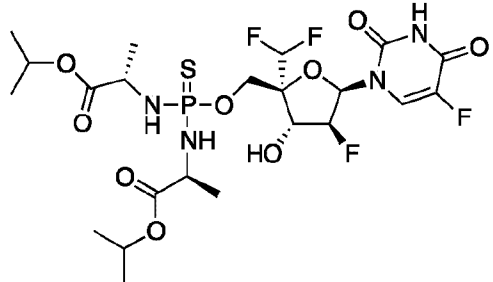
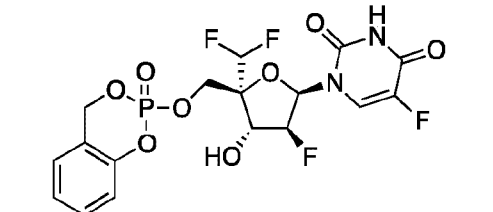
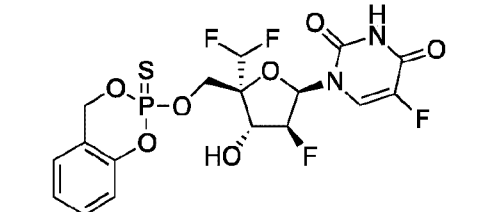
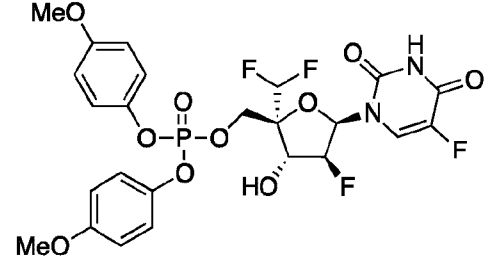
Compound Number	Structure	Name
I-279		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-280		2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-281		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-282		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-283		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-arauridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-284		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine
I-285		2'-Deoxy-4'-difluoromethyl-2',5-difluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester
I-286		2'-Deoxy-4'-difluoromethyl-2',5-difluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-287		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine
I-28		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-289		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-290		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-291		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-292		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-293		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

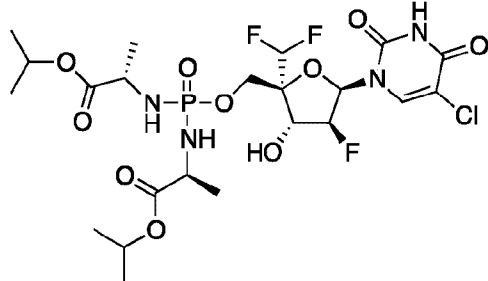
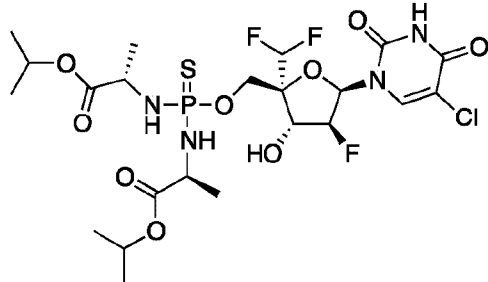
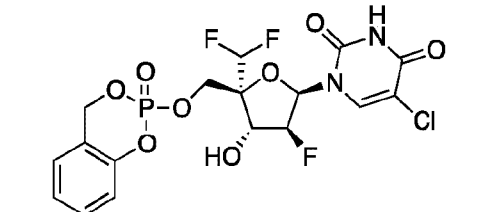
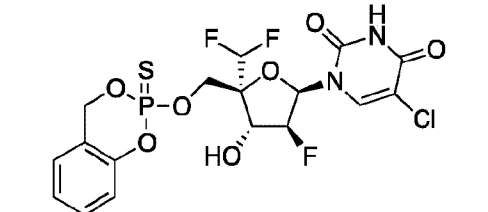
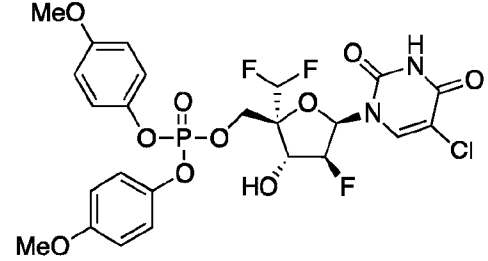
Compound Number	Structure	Name
I-294		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-295		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-296		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-297		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-298		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-arauridine

Table 1. Examples of compounds of generic Formula I.

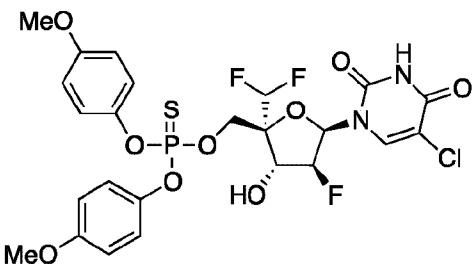
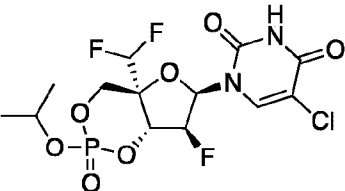
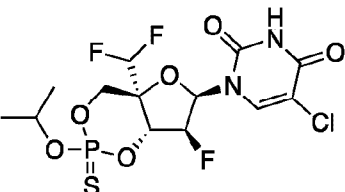
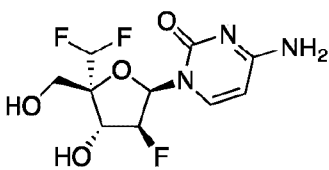
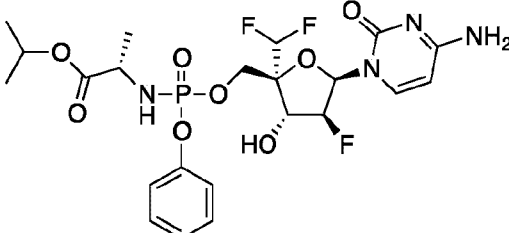
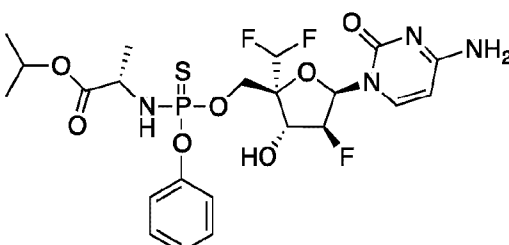
Compound Number	Structure	Name
I-299		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine
I-300		4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester
I-301		4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-302		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine
I-303		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-304		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

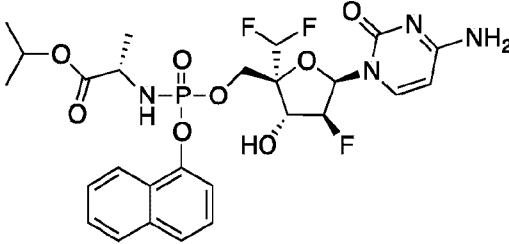
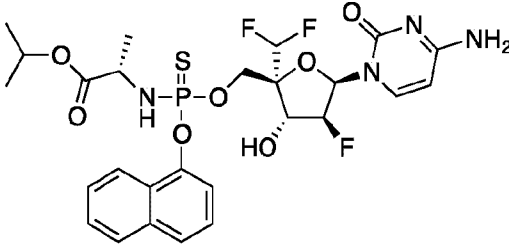
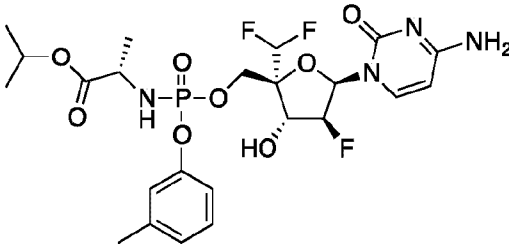
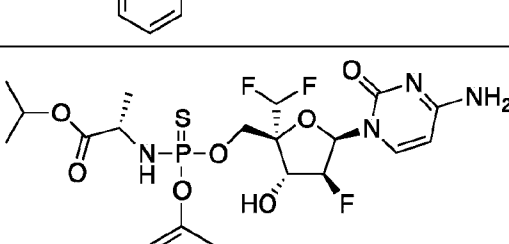
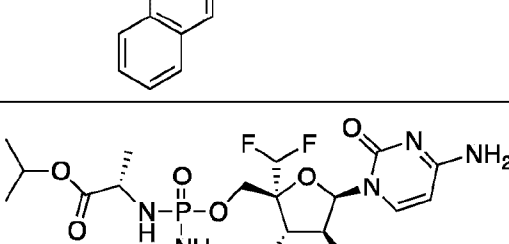
Compound Number	Structure	Name
I-305		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-306		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-307		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-308		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-309		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

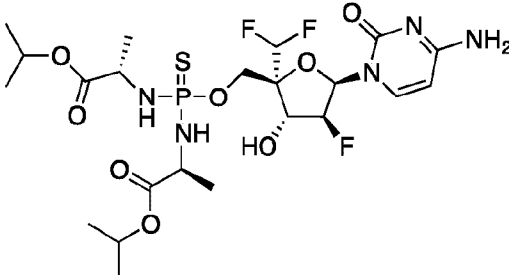
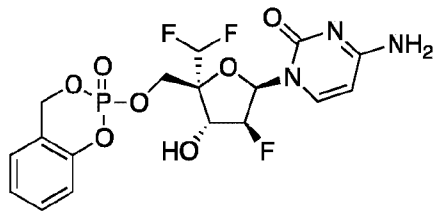
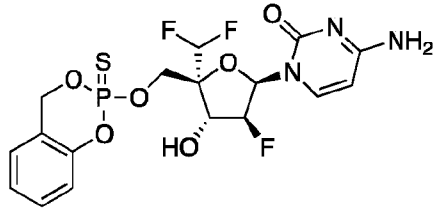
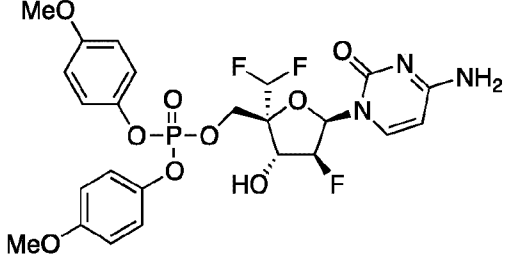
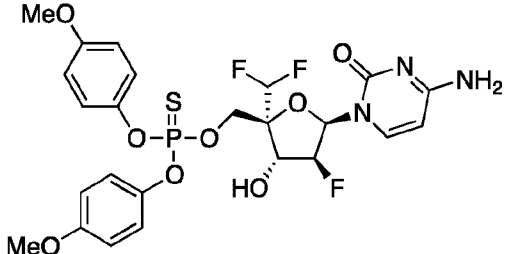
Compound Number	Structure	Name
I-310		2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-311		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-312		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-313		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]aracytidine
I-314		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]aracytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-315		2'-Deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-316		2'-Deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-317		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine
I-318		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-319		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-320		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-321		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-322		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-323		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-324		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-325		2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-326		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-327		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-328		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-aracytidine
I-329		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine

Table 1. Examples of compounds of generic Formula I.

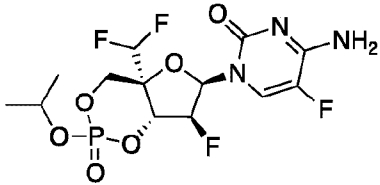
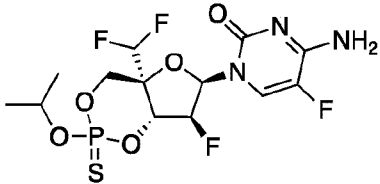
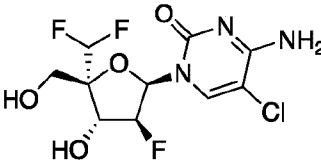
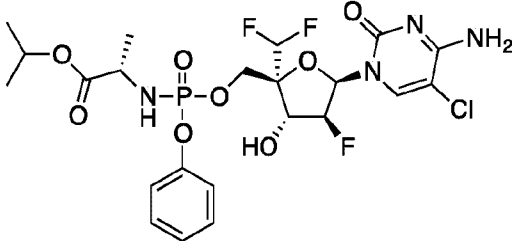
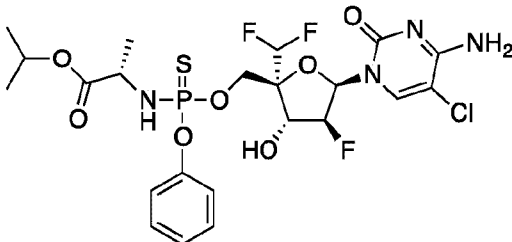
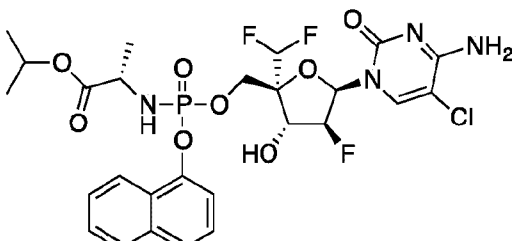
Compound Number	Structure	Name
I-330		2'-Deoxy-4'-difluoromethyl-2',5-difluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-331		2'-Deoxy-4'-difluoromethyl-2',5-difluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-332		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine
I-333		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-334		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-335		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

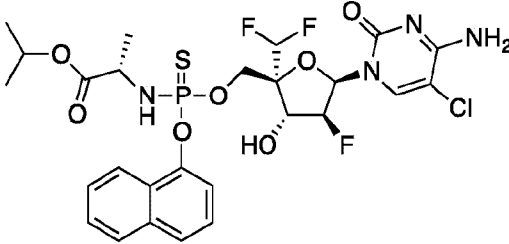
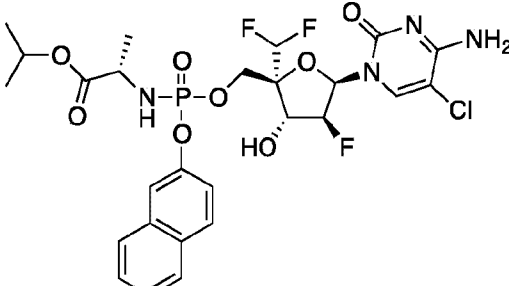
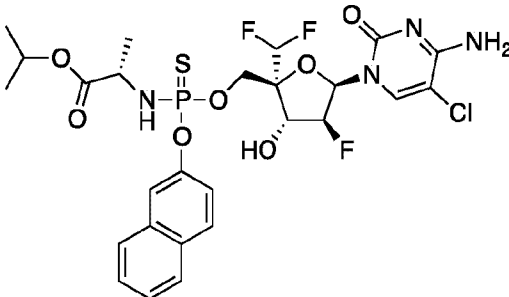
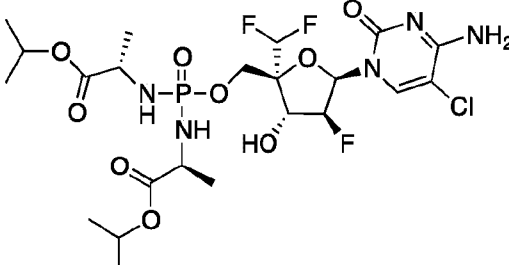
Compound Number	Structure	Name
I-336		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)thiophosphoramidate
I-337		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)phosphoramidate
I-338		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)thiophosphoramidate
I-339		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

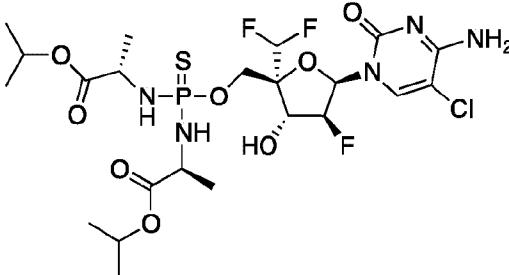
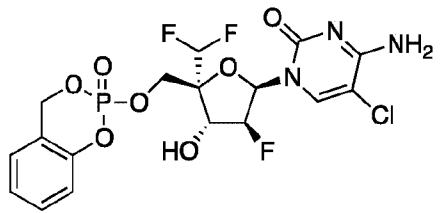
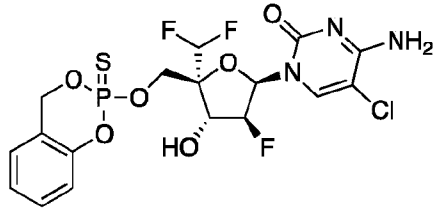
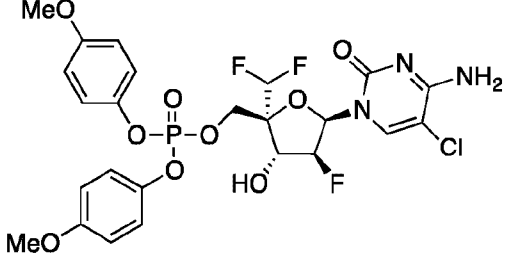
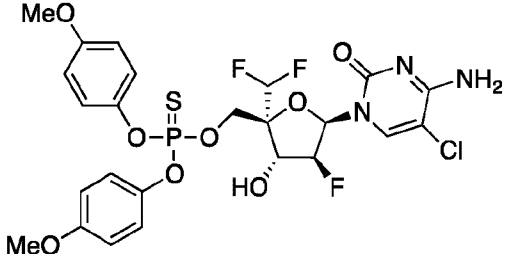
Compound Number	Structure	Name
I-340		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-341		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-342		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-343		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-aracytidine
I-344		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-345		4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-346		4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-347		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine
I-348		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-349		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-350		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

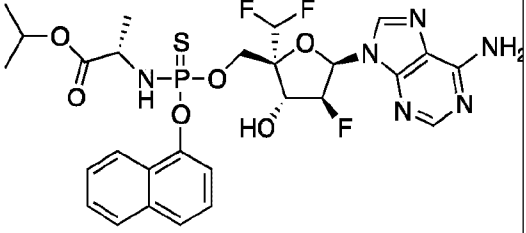
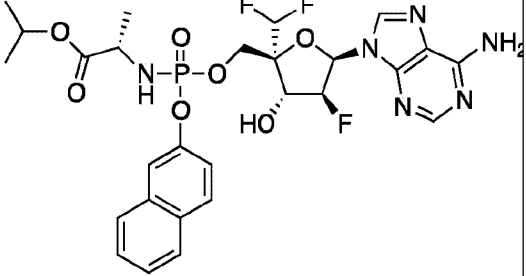
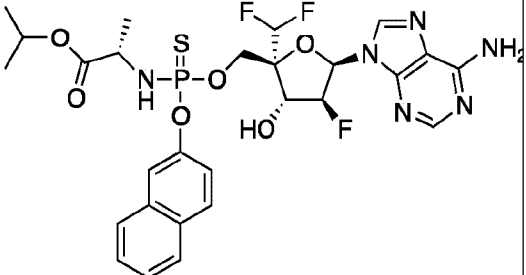
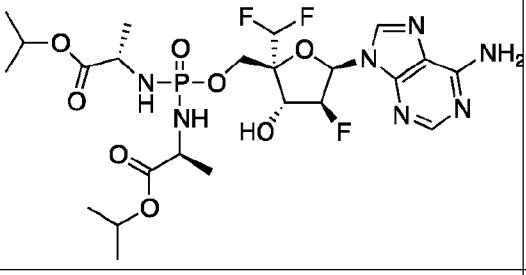
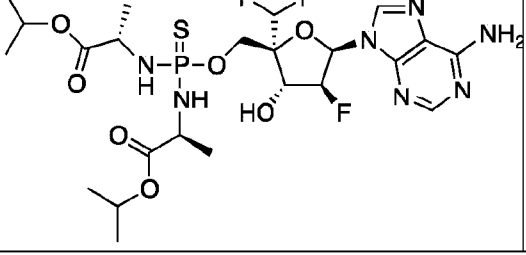
Compound Number	Structure	Name
I-351		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-352		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-353		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-354		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-355		2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

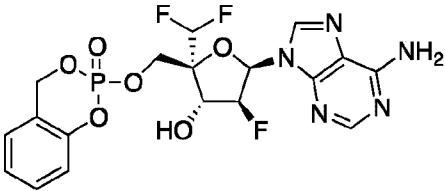
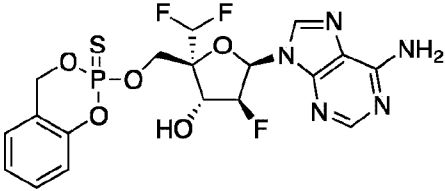
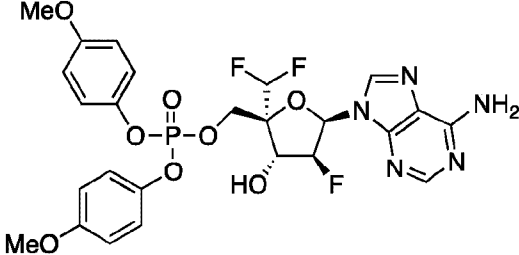
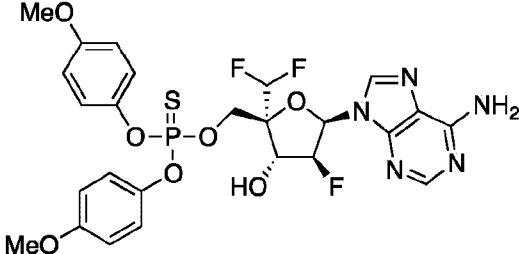
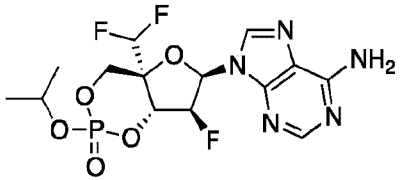
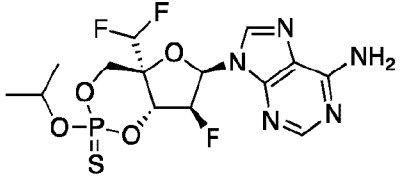
Compound Number	Structure	Name
I-356		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine
I-357		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine
I-358		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araadenosine
I-359		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araadenosine
I-360		2'-Deoxy-4'-difluoromethyl-2'-fluoroaraadenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-361		2'-Deoxy-4'-difluoromethyl-2'-fluoroaraadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

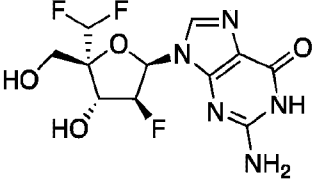
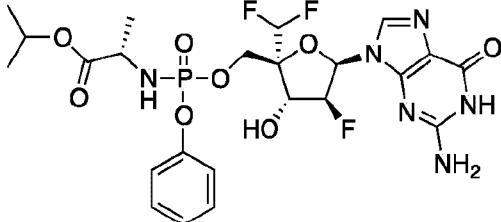
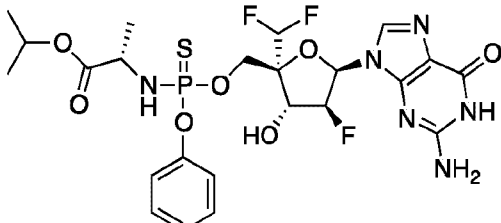
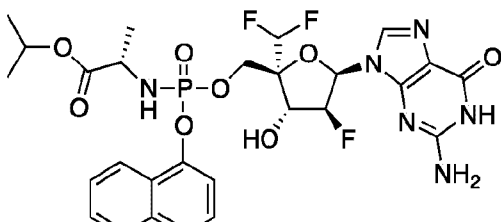
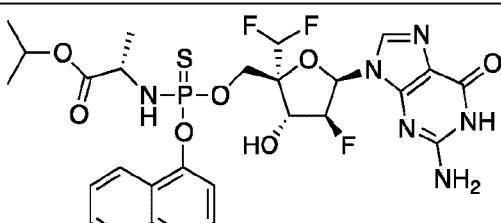
Compound Number	Structure	Name
I-362		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine
I-363		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-364		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-365		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-366		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-367		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-368		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-369		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-370		2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-371		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-araguanosine

Table 1. Examples of compounds of generic Formula I.

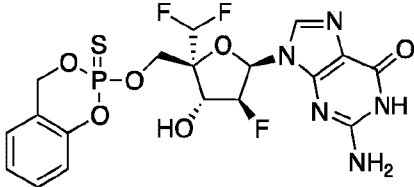
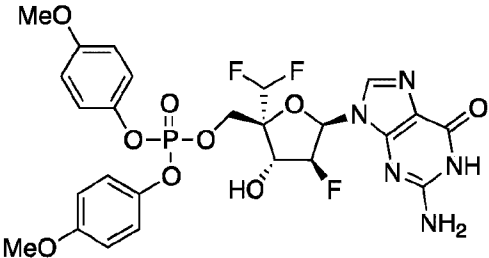
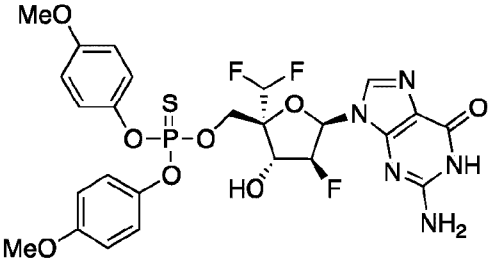
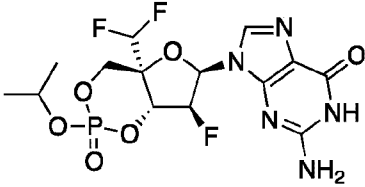
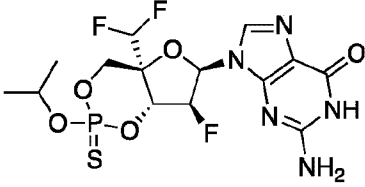
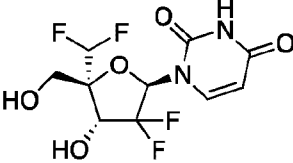
Compound Number	Structure	Name
I-372		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine
I-373		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araguanosine
I-374		2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araguanosine
I-375		2'-Deoxy-4'-difluoromethyl-2'-fluoroaraguanosine-3',5'-cyclic phosphoric acid isopropyl ester
I-376		2'-Deoxy-4'-difluoromethyl-2'-fluoroaraguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-377		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine

Table 1. Examples of compounds of generic Formula I.

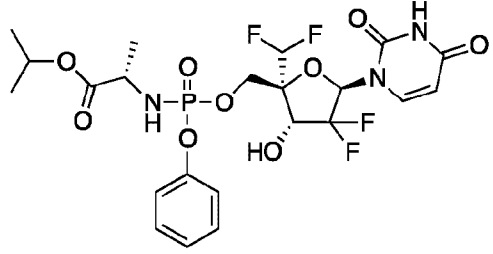
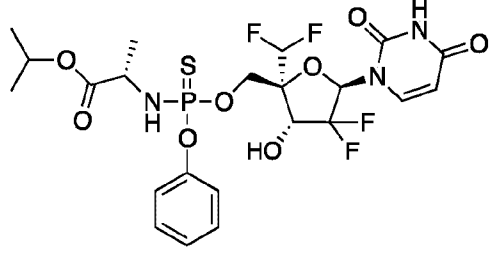
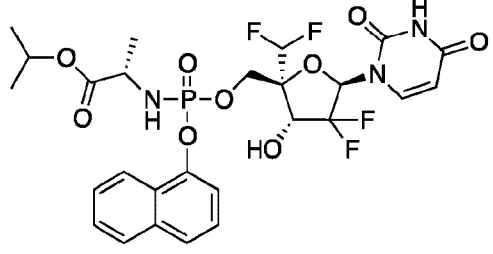
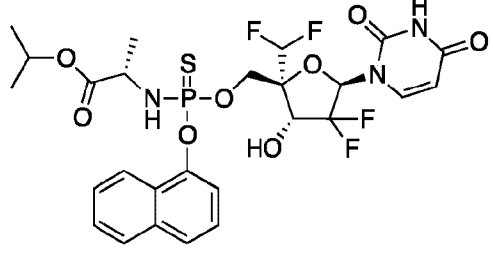
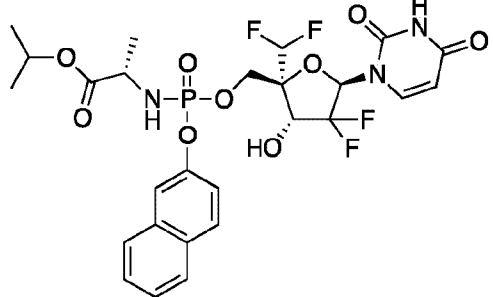
Compound Number	Structure	Name
I-378		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-379		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-380		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-381		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-382		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

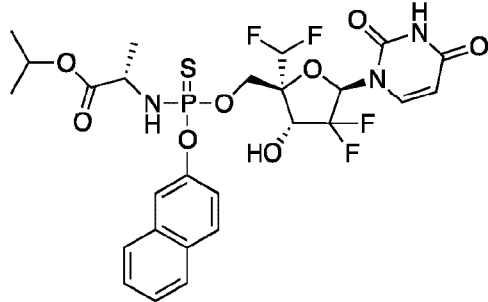
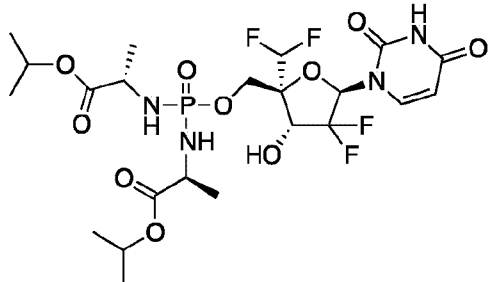
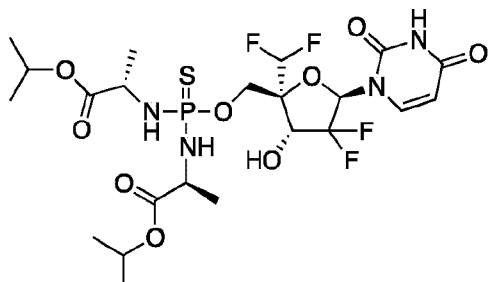
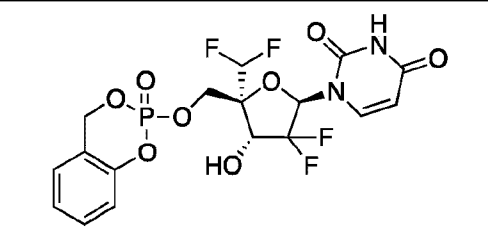
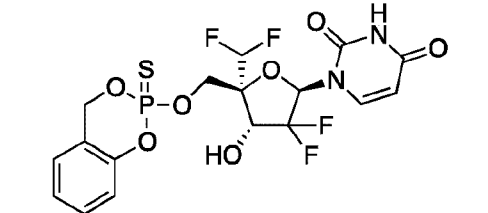
Compound Number	Structure	Name
I-383		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-384		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-385		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-386		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-387		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-uridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-388		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine
I-389		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine
I-390		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester
I-391		2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-392		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine
I-393		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-394		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-395		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-396		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-397		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-398		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-399		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-400		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-401		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine
I-402		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine
I-403		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-404		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-uridine
I-405		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-406		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-407		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine
I-408		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-409		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

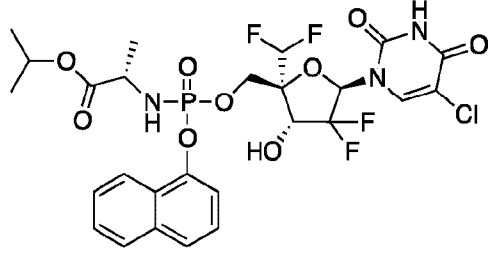
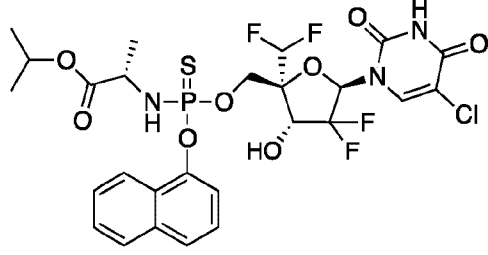
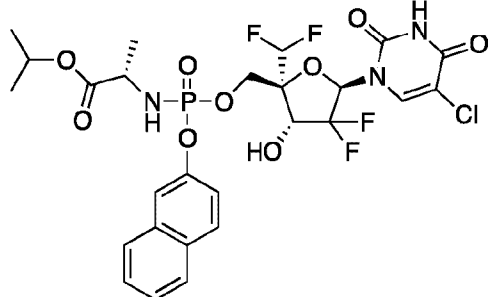
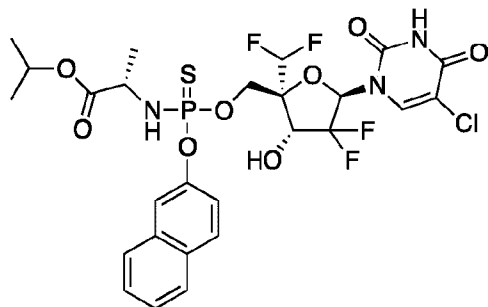
Compound Number	Structure	Name
I-410		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-411		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-412		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-413		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-414		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-415		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-416		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine
I-417		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine
I-418		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-419		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine
I-420		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-421		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-422		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine
I-423		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-424		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-425		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-426		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-427		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-428		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-429		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

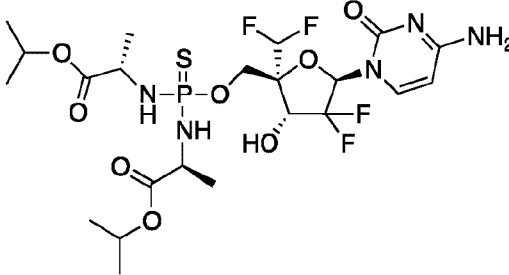
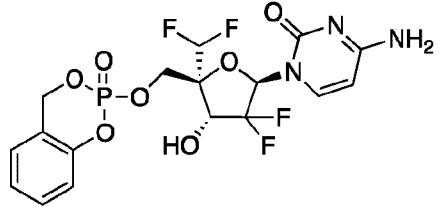
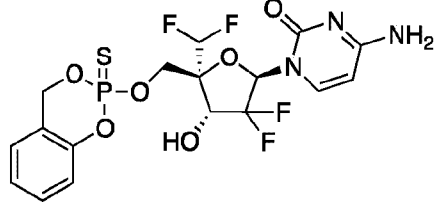
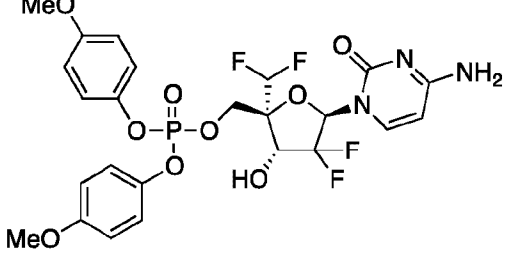
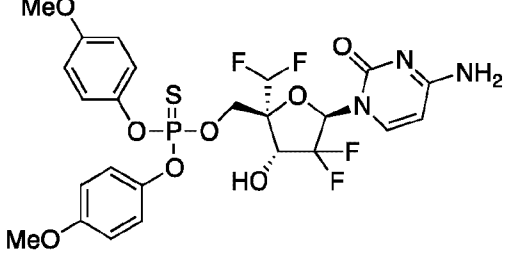
Compound Number	Structure	Name
I-430		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-431		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-432		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-433		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]cytidine
I-434		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-435		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-436		2'-Deoxy-2',2'-difluoro-4'-difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-437		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine
I-438		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-439		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-440		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Compound Number	Structure	Name
I-441		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-442		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-443		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-444		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-445		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-446		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-447		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-448		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine
I-449		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-450		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-451		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-452		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine
I-453		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-454		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-455		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-456		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)thiophosphoramidate
I-457		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)phosphoramidate
I-458		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)thiophosphoramidate
I-459		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-460		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-461		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)cytidine
I-462		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)cytidine
I-463		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]cytidine
I-464		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-465		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-466		5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-467		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine
I-468		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-469		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-470		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

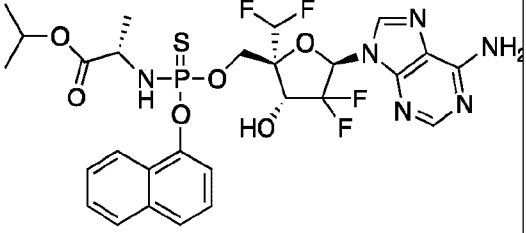
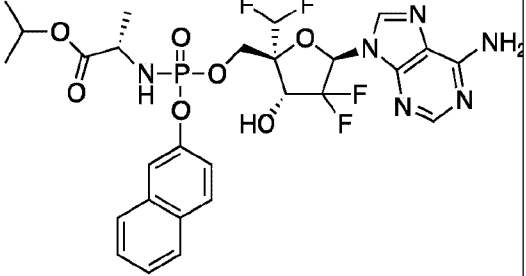
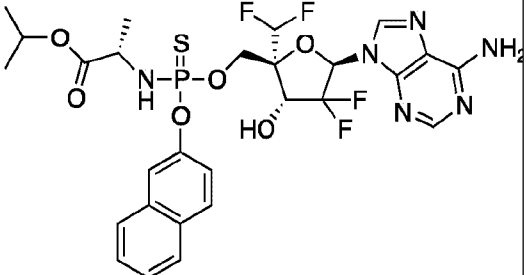
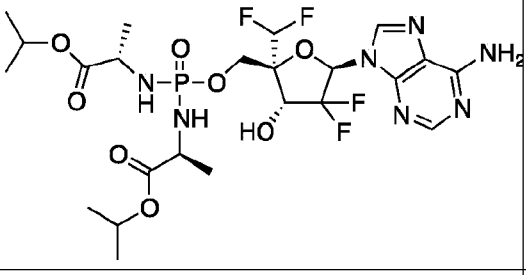
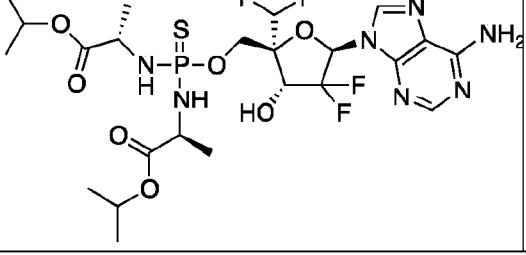
Compound Number	Structure	Name
I-471		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-472		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-473		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-474		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-475		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

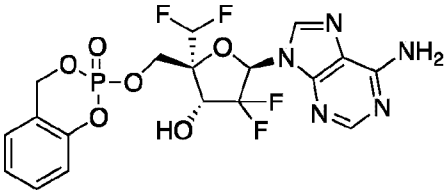
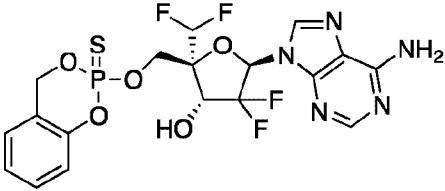
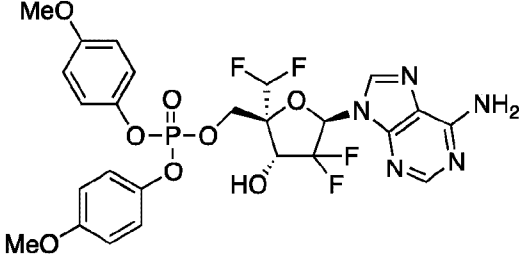
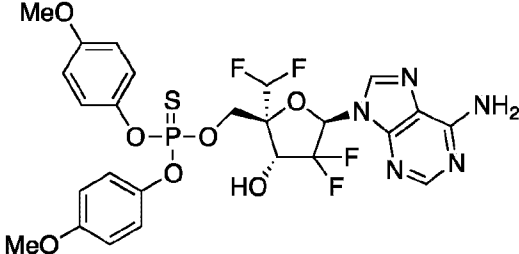
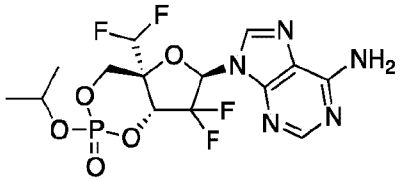
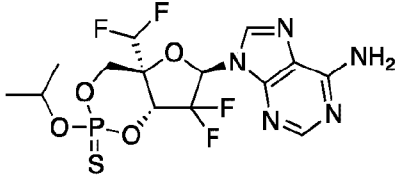
Compound Number	Structure	Name
I-476		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine
I-477		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine
I-478		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]adenosine
I-479		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]adenosine
I-480		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-481		2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

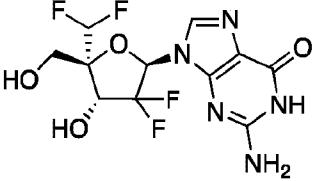
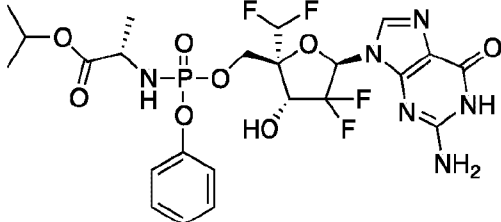
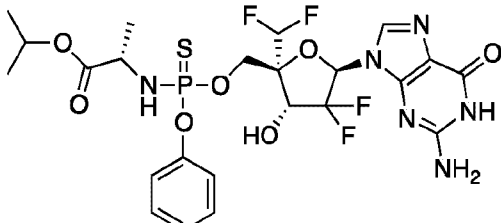
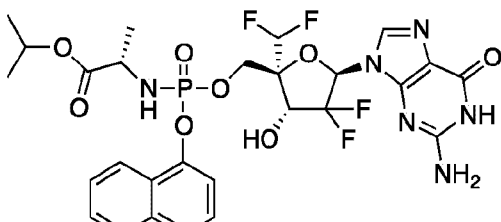
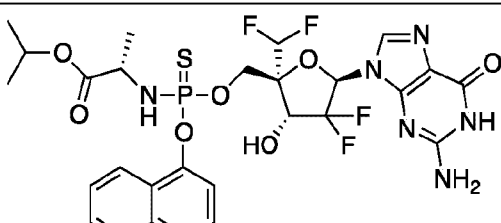
Compound Number	Structure	Name
I-482		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine
I-483		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-484		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-485		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-486		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-487		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-488		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-489		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-490		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-491		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-492		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-493		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]guanosine
I-494		2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]guanosine
I-495		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-3',5'-cyclic phosphoric acid isopropyl ester
I-496		2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-497		4'-Difluoromethylarauridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-498		4'-Difluoromethylarauridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-499		4'-Difluoromethylarauridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-500		4'-Difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-501		4'-Difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-502		4'-Difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

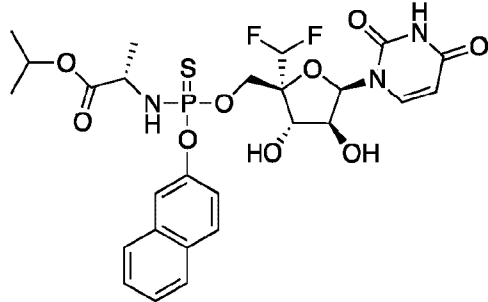
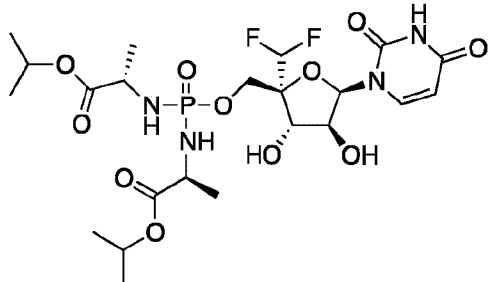
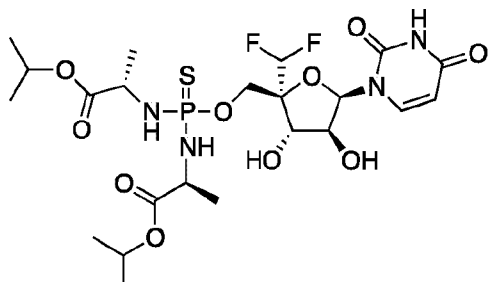
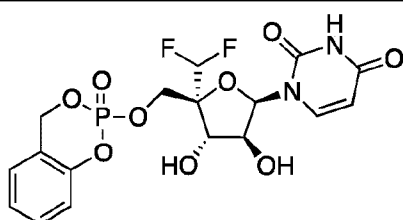
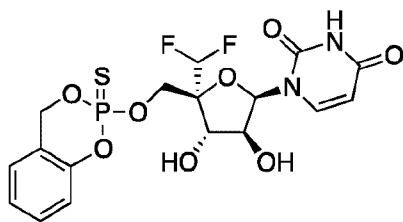
Compound Number	Structure	Name
I-503		4'-Difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-504		4'-Difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate}
I-505		4'-Difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate}
I-506		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-507		4'-Difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-508		4'-Difluoromethyl-5'-O- [bis(4-methoxyphenoxy)phosphinyl] arauridine
I-509		4'-Difluoromethyl-5'-O- [bis(4-methoxyphenoxy)thiophosphinyl] arauridine
I-510		4'-Difluoromethylarauridine- 3',5'-cyclic phosphoric acid isopropyl ester
I-511		4'-Difluoromethylarauridine- 3',5'-cyclic thiophosphoric acid isopropyl ester
I-512		4'-Difluoromethyl-5- fluoroarauridine
I-513		4'-Difluoromethyl-5- fluoroarauridine-5'-(O-phenyl- N-(S)-1- (isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

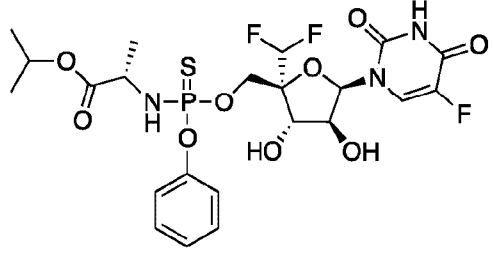
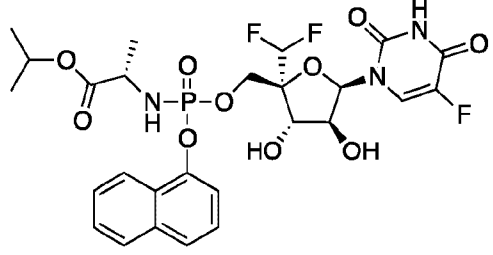
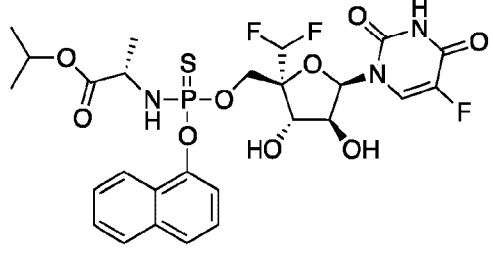
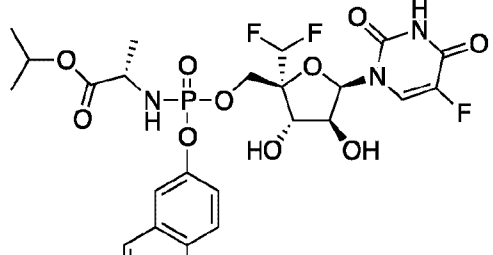
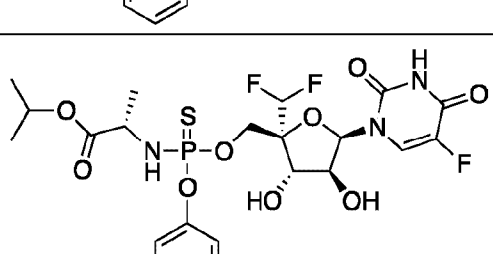
Compound Number	Structure	Name
I-514		4'-Difluoromethyl-5-fluoroarauridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-515		4'-Difluoromethyl-5-fluoroarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-516		4'-Difluoromethyl-5-fluoroarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-517		4'-Difluoromethyl-5-fluoroarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-518		4'-Difluoromethyl-5-fluoroarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-519		4'-difluoromethyl-5-fluoroarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-520		4'-Difluoromethyl-5-fluoroarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-521		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroarauridine
I-522		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroarauridine
I-523		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroarauridine

Table 1. Examples of compounds of generic Formula I.

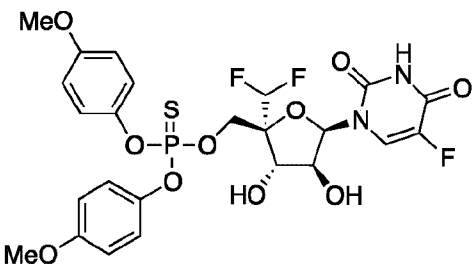
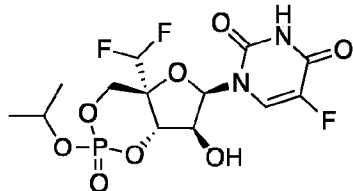
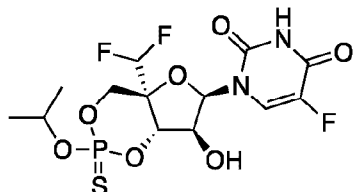
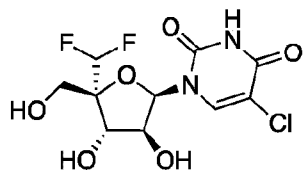
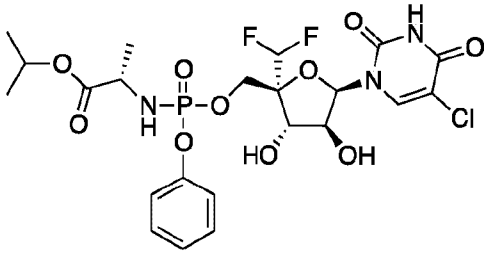
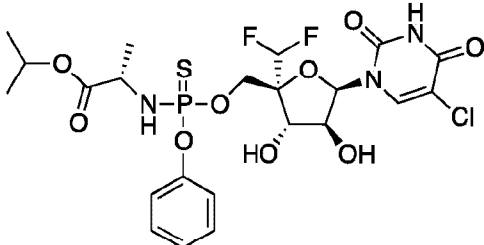
Compound Number	Structure	Name
I-524		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroarauridine
I-525		4'-Difluoromethyl-5-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester
I-526		4'-Difluoromethyl-5-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-527		5-Chloro-4'-difluoromethylarauridine
I-528		5-Chloro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-529		5-Chloro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

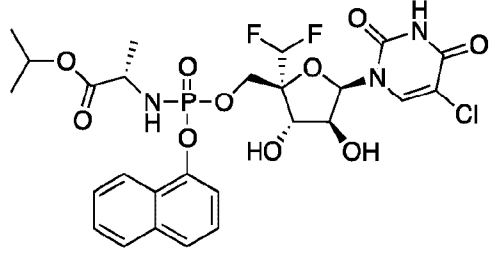
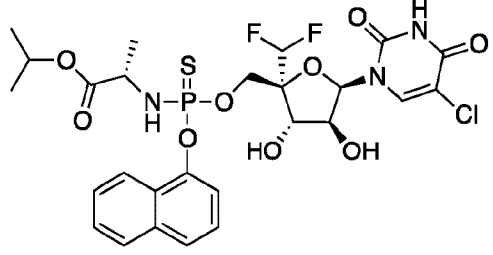
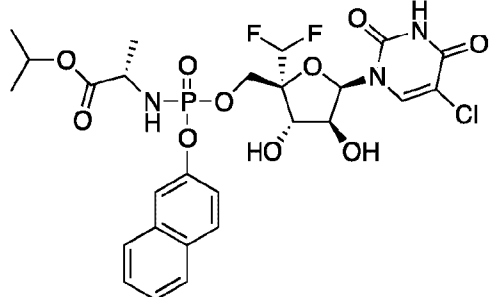
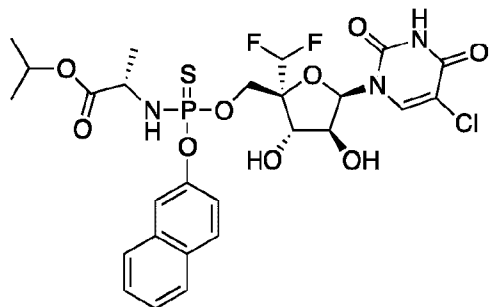
Compound Number	Structure	Name
I-530		5-Chloro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-531		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-532		5-Chloro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-533		5-Chloro-4'-difluoromethylarauridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-534		5-Chloro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-535		5-Chloro-4'-difluoromethylarauridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-536		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-537		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-arauridine
I-538		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-arauridine

Table 1. Examples of compounds of generic Formula I.

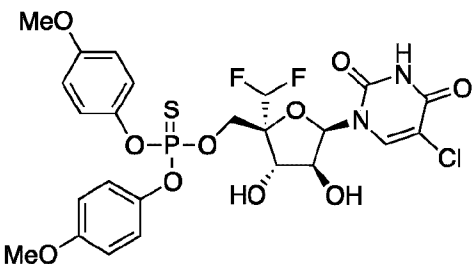
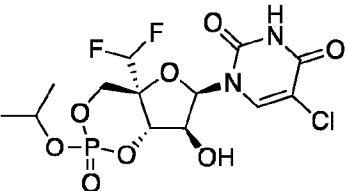
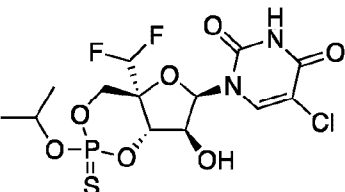
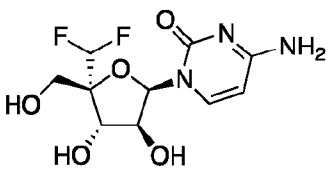
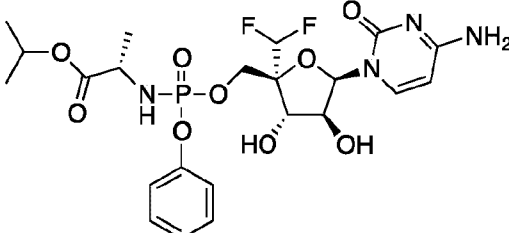
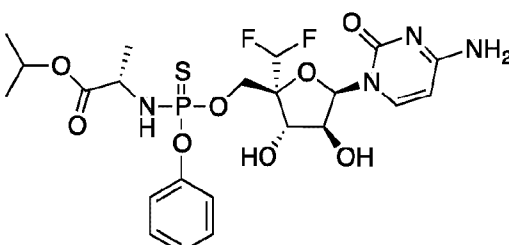
Compound Number	Structure	Name
I-539		5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine
I-540		5-Chloro-4'-difluoromethylarauridine-3',5'-cyclic phosphoric acid isopropyl ester
I-541		5-Chloro-4'-difluoromethylarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-542		4'-Difluoromethylaracytidine
I-543		4'-Difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-544		4'-Difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

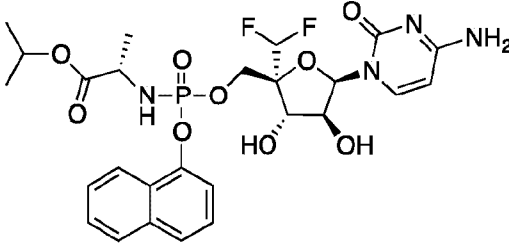
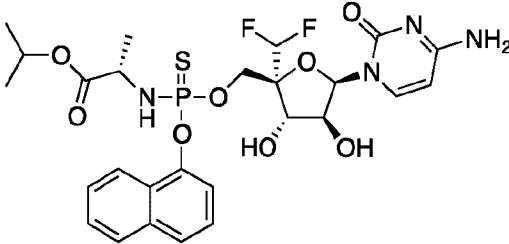
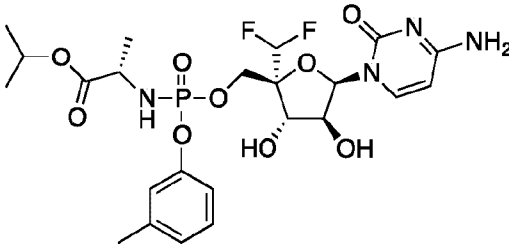
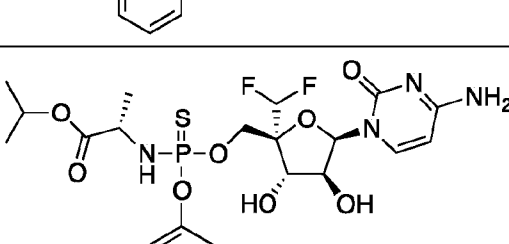
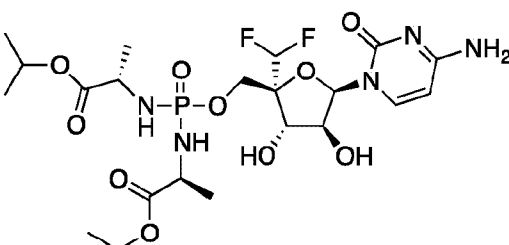
Compound Number	Structure	Name
I-545		4'-Difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-546		4'-Difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-547		4'-Difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-548		4'-Difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-549		4'-Difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

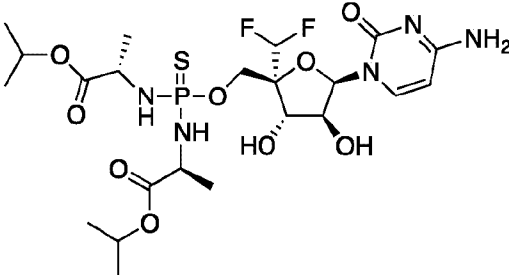
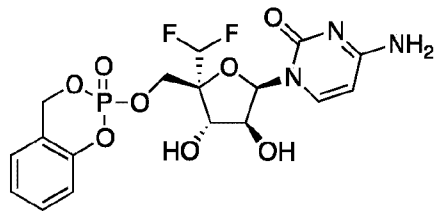
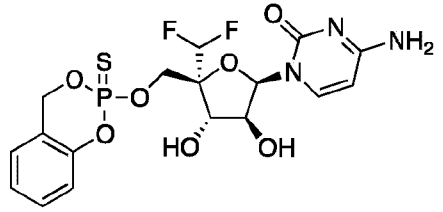
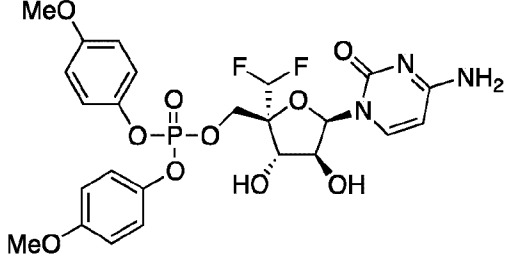
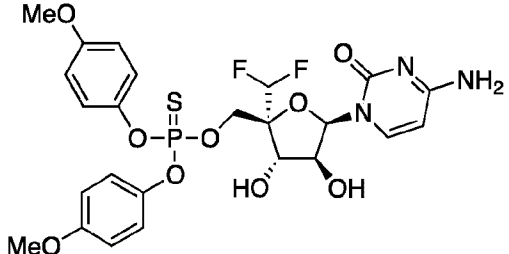
Compound Number	Structure	Name
I-550		4'-Difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-551		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-552		4'-Difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-553		4'-Difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]aracytidine
I-554		4'-Difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]aracytidine

Table 1. Examples of compounds of generic Formula I.

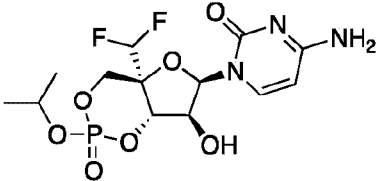
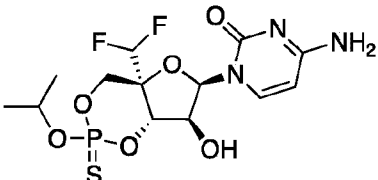
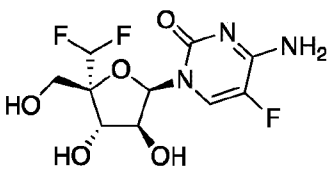
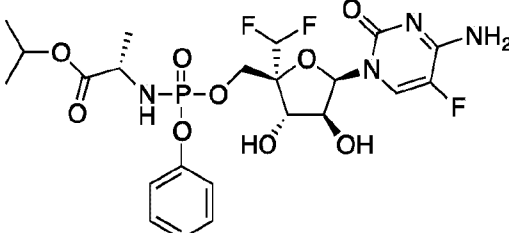
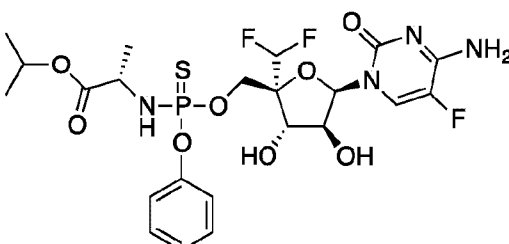
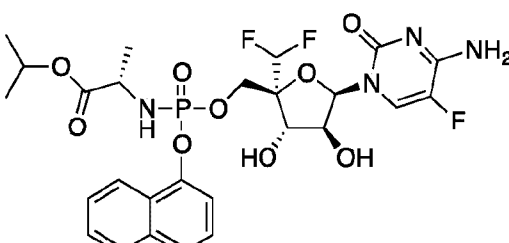
Compound Number	Structure	Name
I-555		4'-Difluoromethylaracytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-556		4'-Difluoromethylaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-557		4'-Difluoromethyl-5-fluoroaracytidine
I-558		4'-Difluoromethyl-5-fluoroaracytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-559		4'-Difluoromethyl-5-fluoroaracytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-560		4'-Difluoromethyl-5-fluoroaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

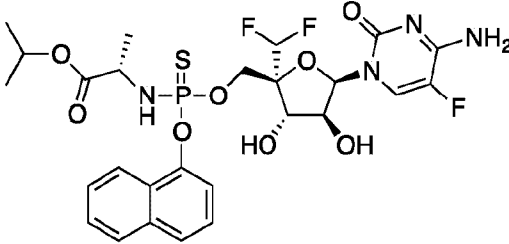
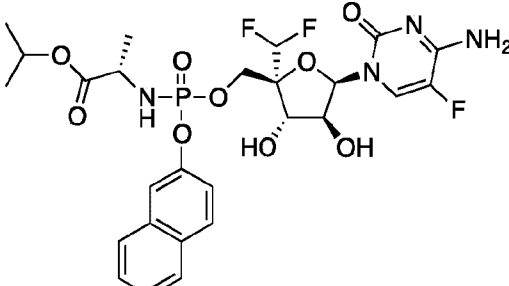
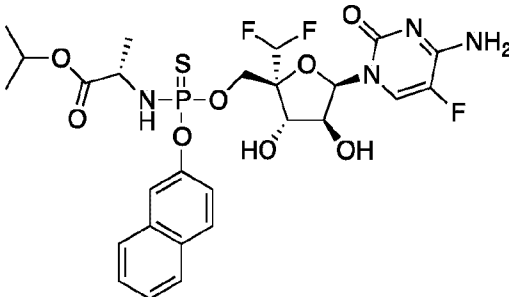
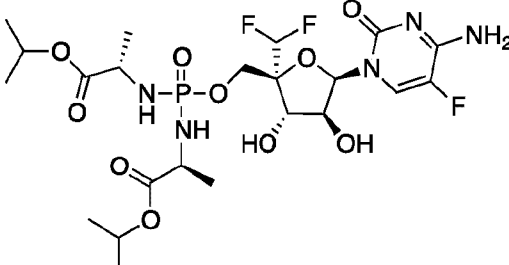
Compound Number	Structure	Name
I-561		4'-Difluoromethyl-5-fluoroaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-562		4'-Difluoromethyl-5-fluoroaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-563		4'-Difluoromethyl-5-fluoroaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-564		4'-difluoromethyl-5-fluoroaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

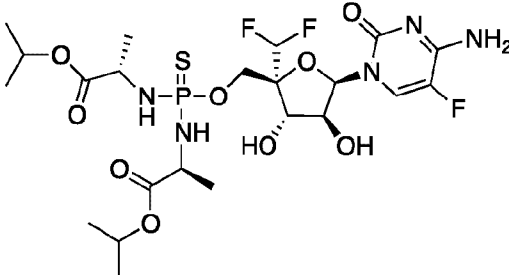
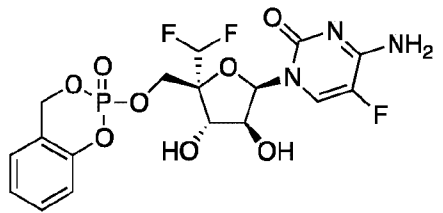
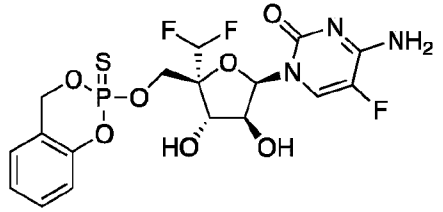
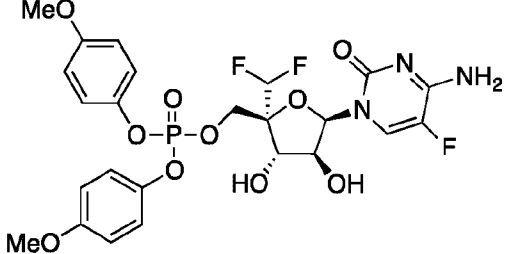
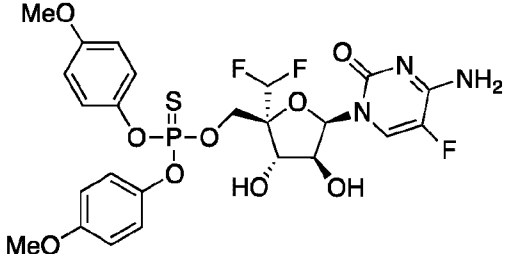
Compound Number	Structure	Name
I-565		4'-Difluoromethyl-5-fluoroaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-566		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroaracytidine
I-567		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroaracytidine
I-568		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroaracytidine
I-569		2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroaracytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-570		4'-Difluoromethyl—5-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-571		4'-Difluoromethyl-5-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-572		5-Chloro-4'-difluoromethylaracytidine
I-574		5-Chloro-4'-difluoromethylaracytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-575		5-Chloro-4'-difluoromethylaracytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-576		5-Chloro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

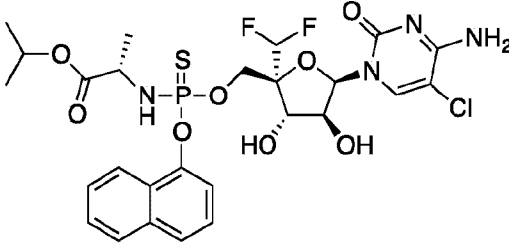
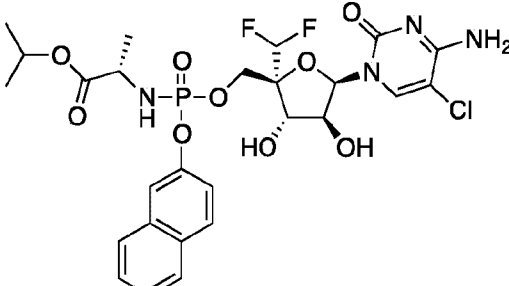
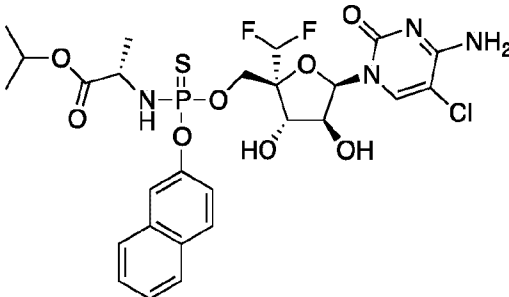
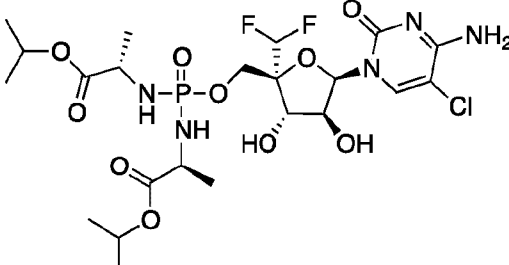
Compound Number	Structure	Name
I-577		4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)thiophosphoramidate
I-578		5-Chloro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)phosphoramidate
I-579		5-Chloro-4'-difluoromethylaracytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl)thiophosphoramidate
I-580		5-Chloro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-581		5-Chloro-4'-difluoromethylaracytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-582		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-583		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-aracytidine
I-584		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-aracytidine
I-585		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-586		5-Chloro-4'-difluoromethylaracytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-587		5-Chloro-4'-difluoromethylaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-588		4'-Difluoromethylaraadenosine
I-589		4'-Difluoromethylaraadenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-590		4'-Difluoromethylaraadenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-591		4'-Difluoromethylaraadenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-592		4'- Difluoromethylaraadenosine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-593		4'- Difluoromethylaraadenosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-594		4'- Difluoromethylaraadenosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-595		4'- Difluoromethylaraadenosine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]ph osphorodiamidate
I-596		4'- Difluoromethylaraadenosine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]thi ophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-597		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine
I-598		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine
I-599		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araadenosine
I-600		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araadenosine
I-601		4'-Difluoromethylaraadenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-602		4'-Difluoromethylaraadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-603		4'- Difluoromethylaraguanosine
I-604		4'- Difluoromethylaraguanosine- 5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-605		4'- Difluoromethylaraadenosine-5'- (<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-606		4'- Difluoromethylaraguanosine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-607		4'- Difluoromethylaraguanosine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-608		4'- Difluoromethylaraguanosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-609		4'- Difluoromethylaraguanosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-610		4'- Difluoromethylaraguanosine- 5' -{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxylcarbonyl)ethyl]ph osphorodiamidate
I-611		4'- Difluoromethylaraguanosine- 5' -{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxylcarbonyl)ethyl]thi ophosphorodiamidate
I-612		4'-Difluoromethyl-5'- <i>O</i> -(2- oxido-4-H-1,3,2- benzodioxaphosphorin-2-yl)- araguanosine

Table 1. Examples of compounds of generic Formula I.

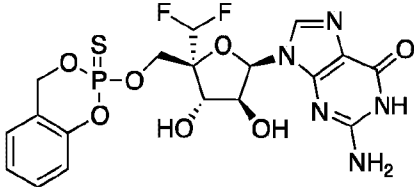
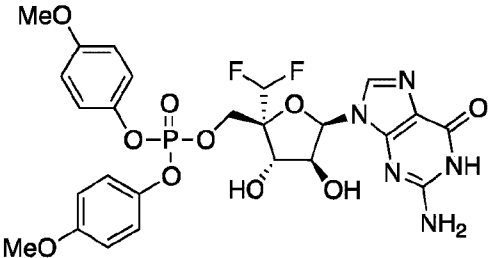
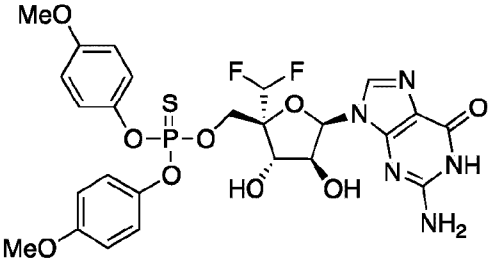
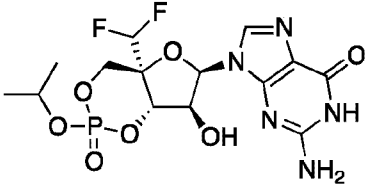
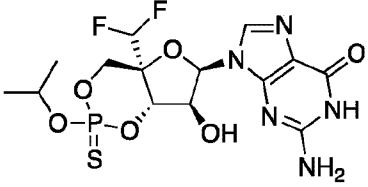
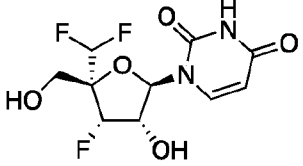
Compound Number	Structure	Name
I-613		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine
I-614		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araguanosine
I-615		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araguanosine
I-616		4'-Difluoromethylaraguanosine-3',5'-cyclic phosphoric acid isopropyl ester
I-617		4'-Difluoromethylaraguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-618		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine

Table 1. Examples of compounds of generic Formula I.

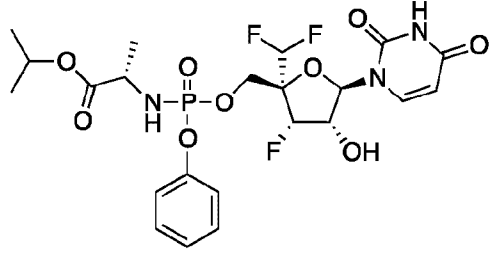
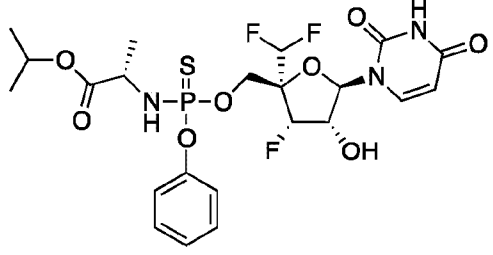
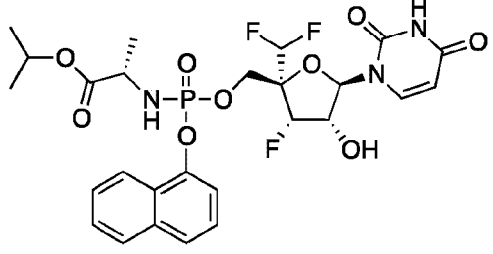
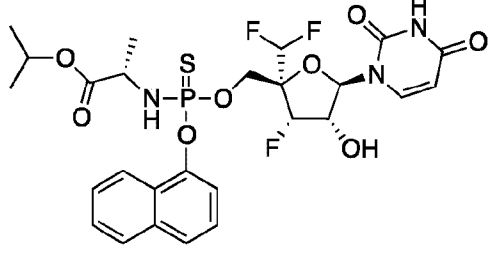
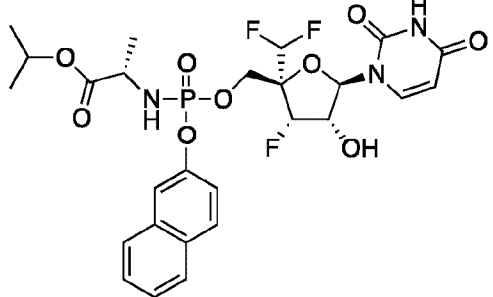
Compound Number	Structure	Name
I-619		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-620		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-621		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-622		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-623		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-624		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-625		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-626		3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-627		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-628		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-uridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-629		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine
I-630		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine
I-631		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine
I-632		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-633		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-634		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-635		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-636		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-637		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-638		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

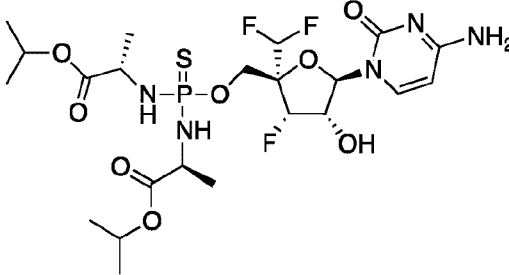
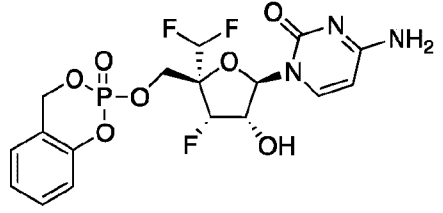
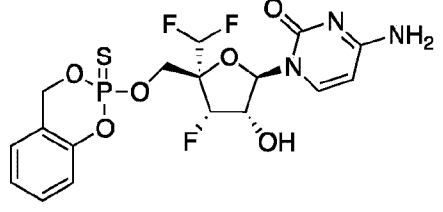
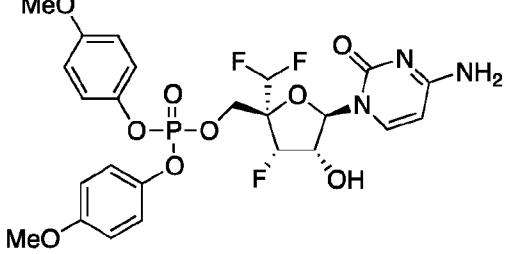
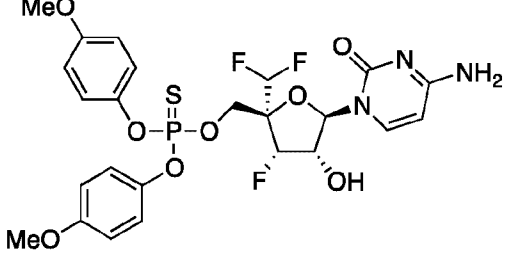
Compound Number	Structure	Name
I-639		3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-640		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-641		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-642		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]cytidine
I-643		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]cytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-644		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine
I-645		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-646		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-647		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-648		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

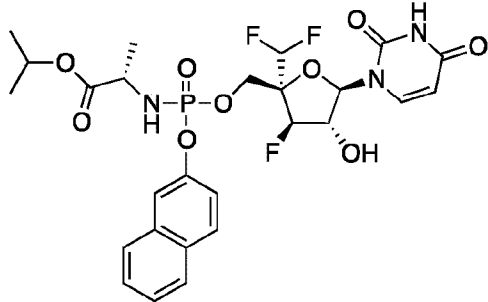
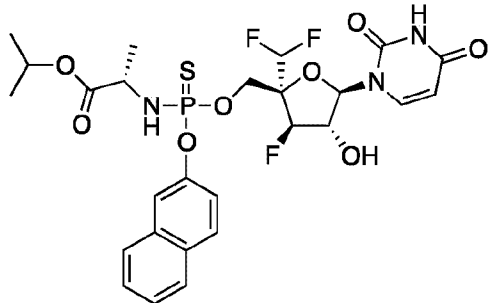
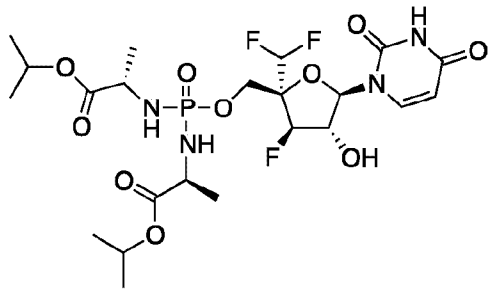
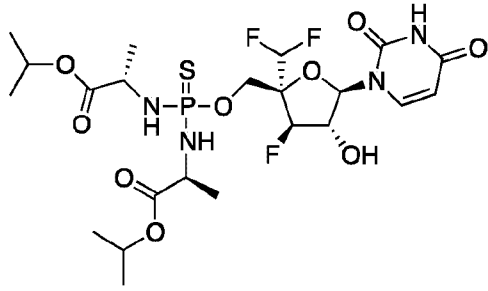
Compound Number	Structure	Name
I-649		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-650		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-651		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-652		3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

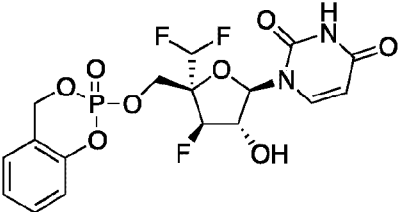
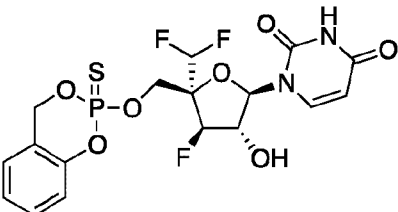
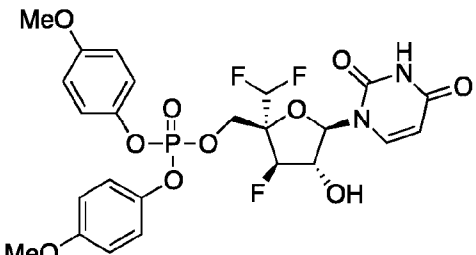
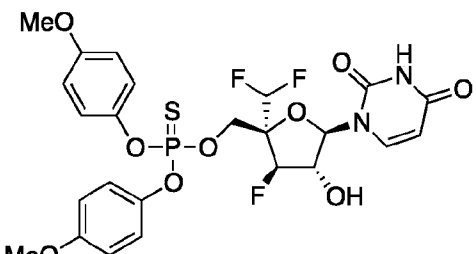
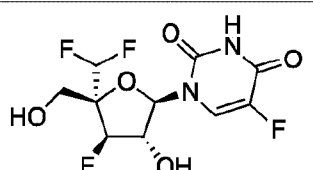
Compound Number	Structure	Name
I-653		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-654		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-655		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine
I-656		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine
I-657		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine

Table 1. Examples of compounds of generic Formula I.

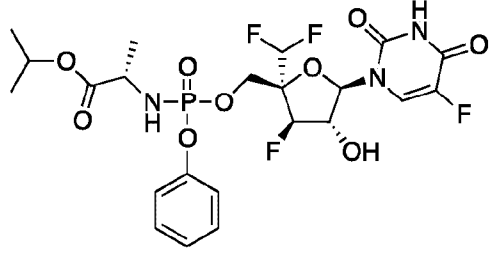
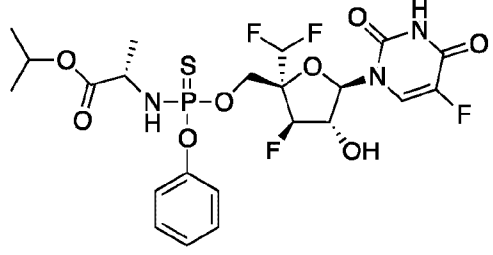
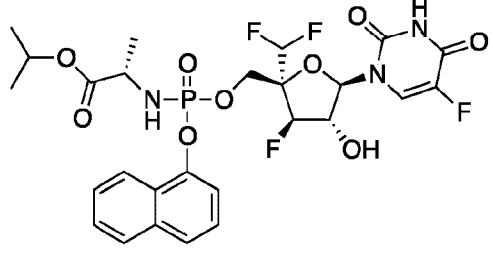
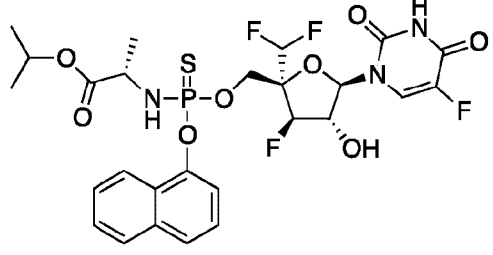
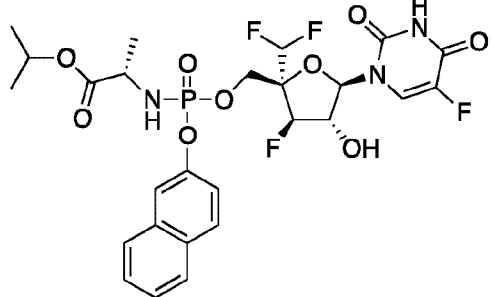
Compound Number	Structure	Name
I-658		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-659		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-660		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-661		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-662		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

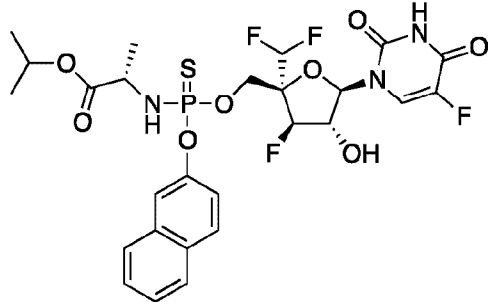
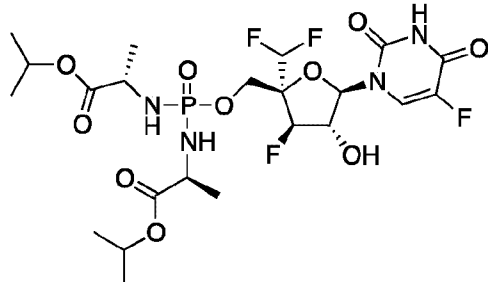
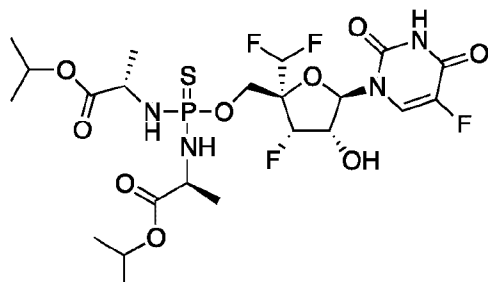
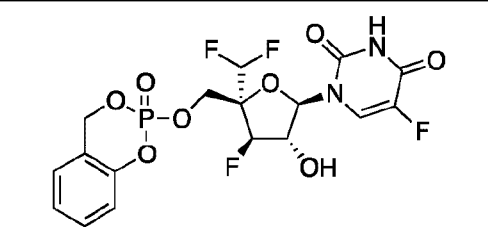
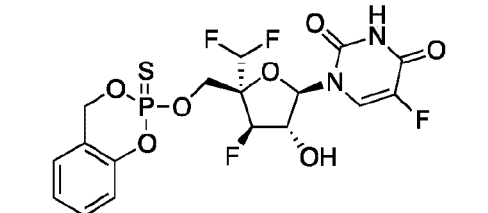
Compound Number	Structure	Name
I-663		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-664		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-665		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-666		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-667		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-668		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine
I-669		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine
I-670		5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine
I-671		5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-672		5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-673		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-674		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-675		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-676		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-677		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-678		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-679		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-680		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-681		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]xylouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-682		5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine
I-683		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine
I-684		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-685		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-686		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

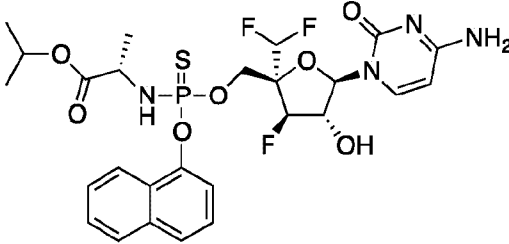
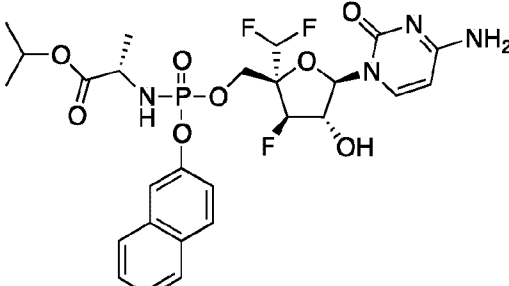
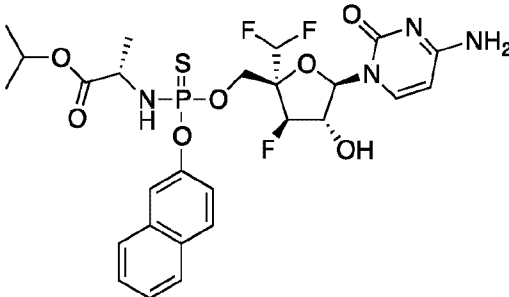
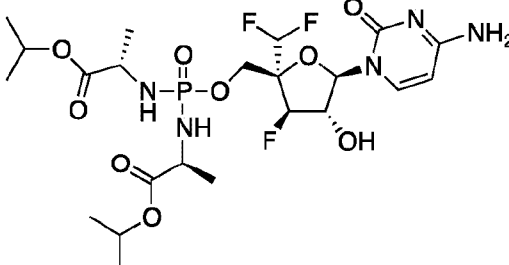
Compound Number	Structure	Name
I-687		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-688		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-689		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-690		3'-Deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-691		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloctidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-692		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloctidine
I-693		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloctidine
I-694		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]xyloctidine
I-695		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl] xyloctidine

Table 1. Examples of compounds of generic Formula I.

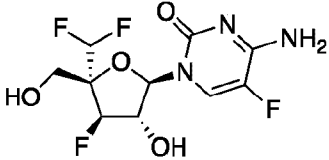
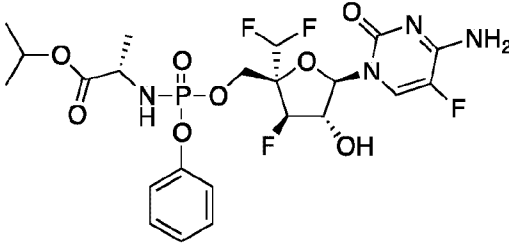
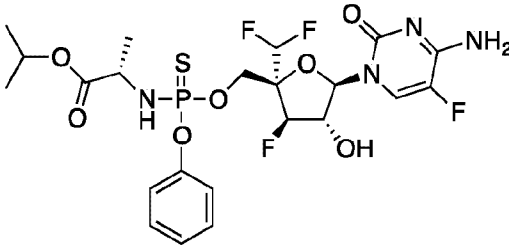
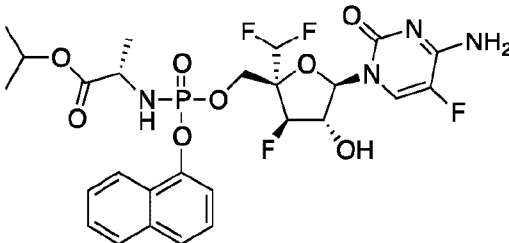
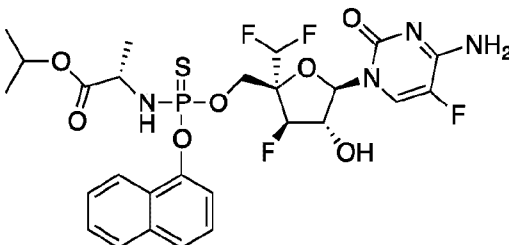
Compound Number	Structure	Name
I-696		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine
I-697		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-698		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-699		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-700		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-701		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-702		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-703		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-704		3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-705		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-706		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine
I-707		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]xylocytidine
I-708		3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]xylocytidine
I-709		5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine
I-710		5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

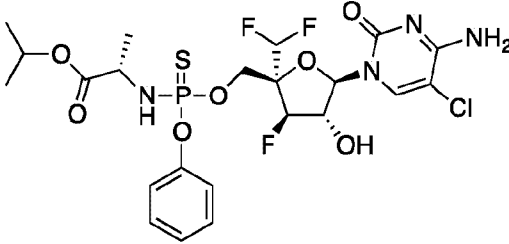
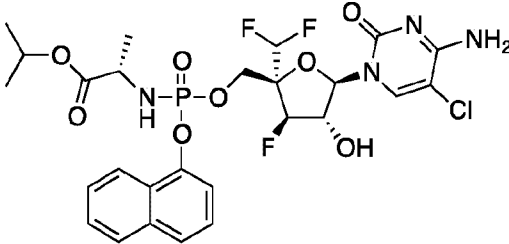
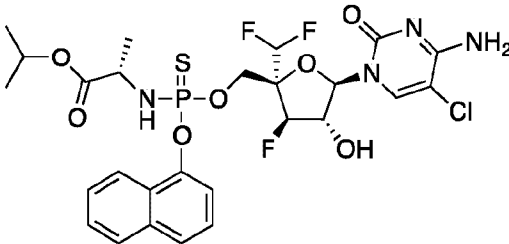
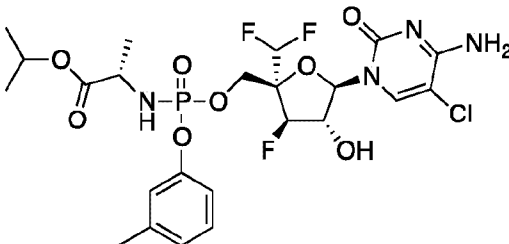
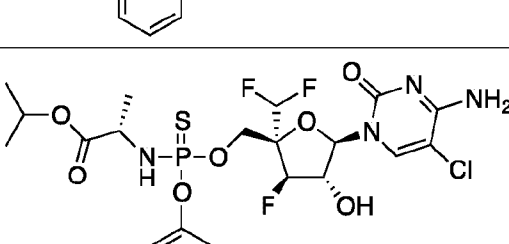
Compound Number	Structure	Name
I-711		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-712		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-713		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-714		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-715		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

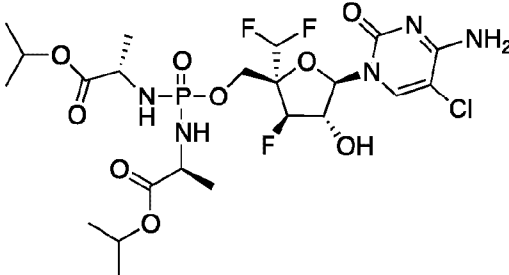
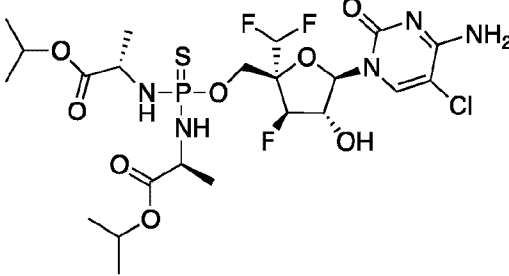
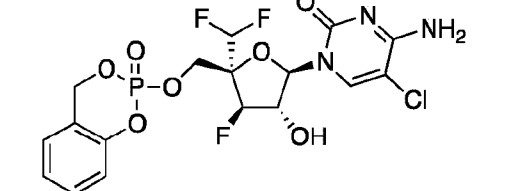
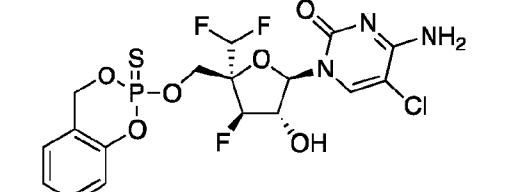
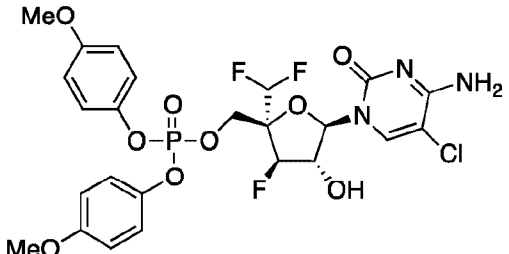
Compound Number	Structure	Name
I-716		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-717		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-718		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine
I-719		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine
I-720		5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]xylocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-721		5-Chloro-3'-deoxy 3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine
I-722		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine
I-723		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-724		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-725		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-726		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-727		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-728		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-729		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]phosphorodiamidate
I-730		3'-Deoxy-3'-fluoro-4'-difluoromethylxyadenosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxylcarbonyl)ethyl]thiophosphorodiamidate
I-731		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xyadenosine

Table 1. Examples of compounds of generic Formula I.

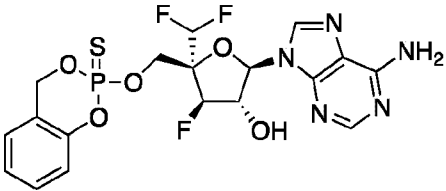
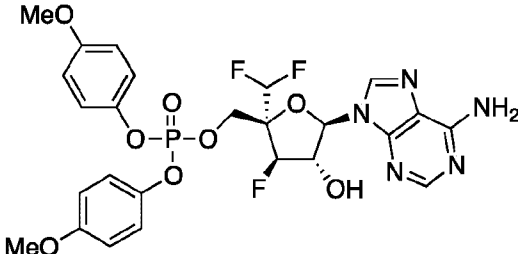
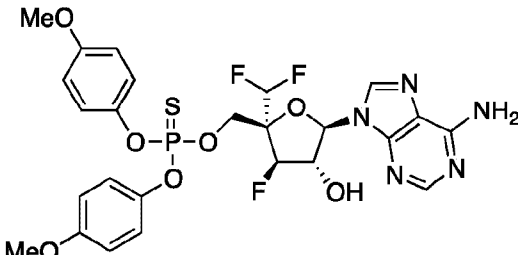
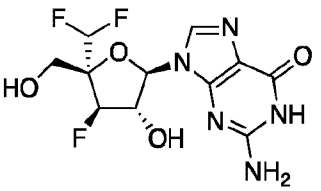
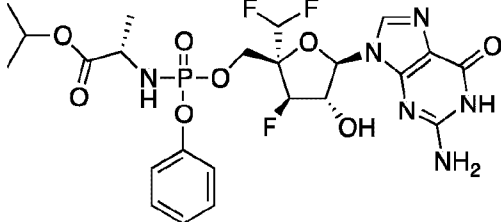
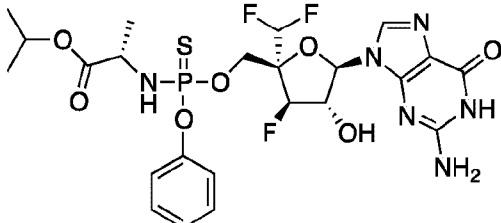
Compound Number	Structure	Name
I-732		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloadenosine
I-733		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]xyloadenosine
I-734		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]xyloadenosine
I-735		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine
I-736		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-737		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

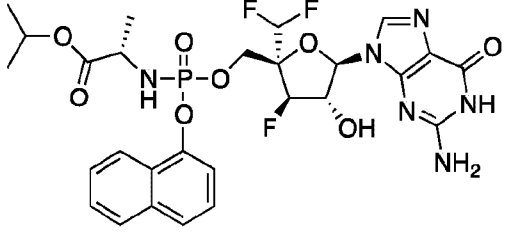
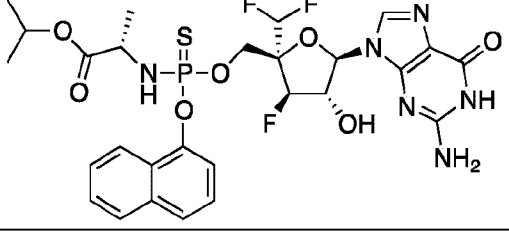
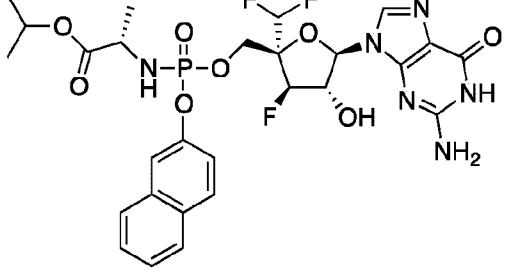
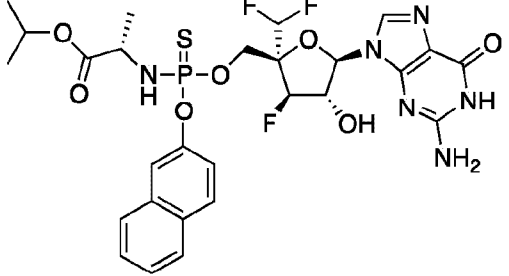
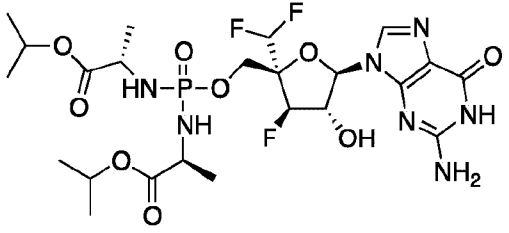
Compound Number	Structure	Name
I-738		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-739		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-740		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-741		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-742		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-743		3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-744		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloguanosine
I-745		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloguanosine
I-746		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]xyloguanosine
I-747		3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl]xyloguanosine
I-748		4'-Difluoromethylxylouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-749		4'-Difluoromethylxylouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-750		4'-Difluoromethylxylouridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-751		4'-Difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-752		4'-Difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-753		4'-Difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

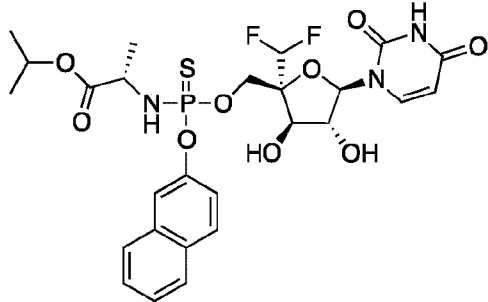
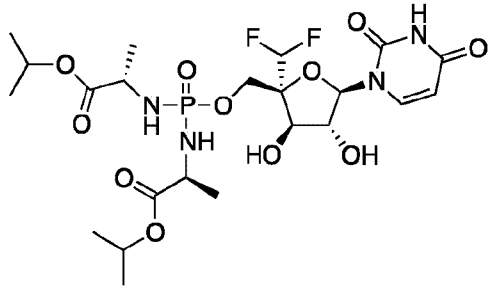
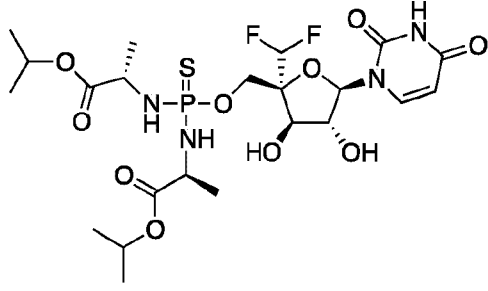
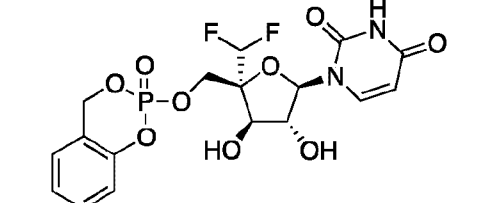
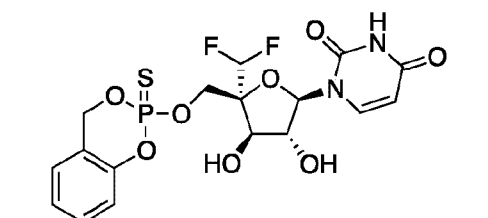
Compound Number	Structure	Name
I-754		4'-Difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-755		4'-Difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-756		4'-Difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-757		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-758		4'-Difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylouridine

Table 1. Examples of compounds of generic Formula I.

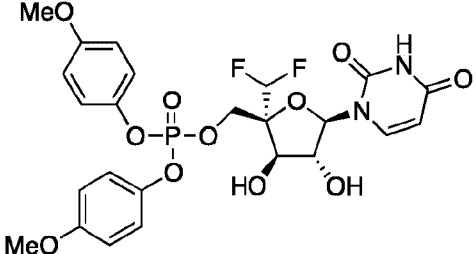
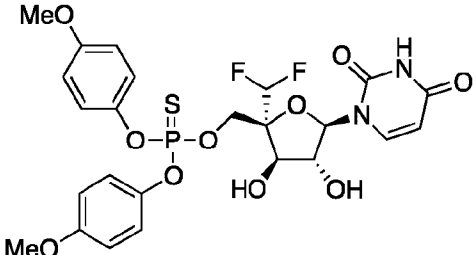
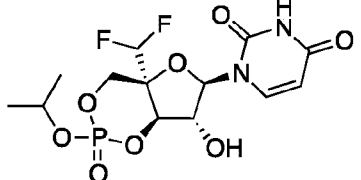
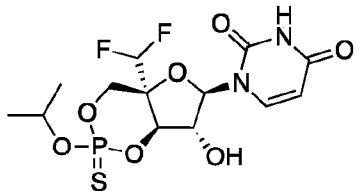
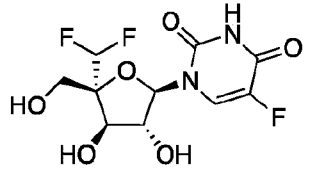
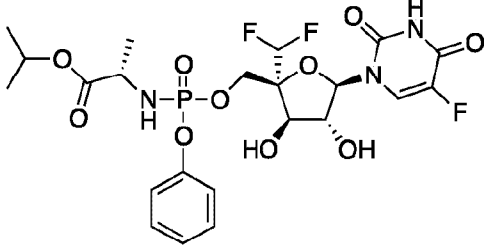
Compound Number	Structure	Name
I-759		4'-Difluoromethyl-5'-O- [bis(4-methoxyphenoxy)phosphinyl] xylouridine
I-760		4'-Difluoromethyl-5'-O- [bis(4-methoxyphenoxy)thiophosphinyl] xylouridine
I-761		4'-Difluoromethylxylouridine- 3',5'-cyclic phosphoric acid isopropyl ester
I-762		4'-Difluoromethylxylouridine- 3',5'-cyclic thiophosphoric acid isopropyl ester
I-763		4'-Difluoromethyl-5- fluoroxylouridine
I-764		4'-Difluoromethyl-5- fluoroxylouridine-5'-(O- phenyl-N-(S)-1- (isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

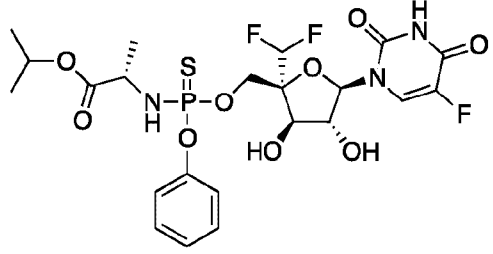
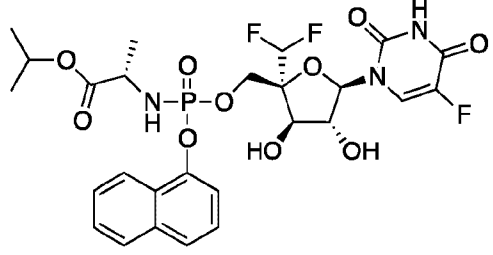
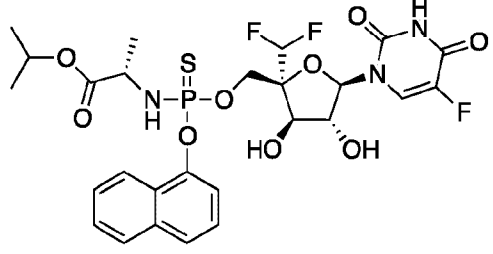
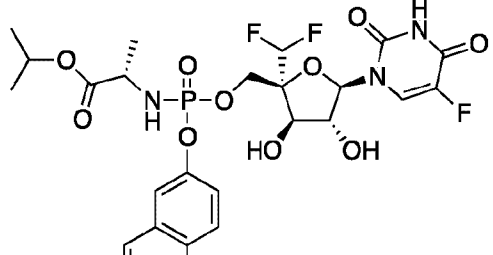
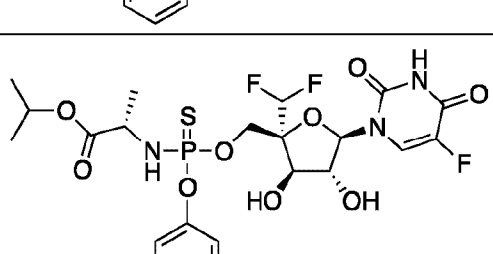
Compound Number	Structure	Name
I-765		4'-Difluoromethyl-5-fluorouracil-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-766		4'-Difluoromethyl-5-fluorouracil-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-767		4'-Difluoromethyl-5-fluorouracil-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-768		4'-Difluoromethyl-5-fluorouracil-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-769		4'-Difluoromethyl-5-fluorouracil-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

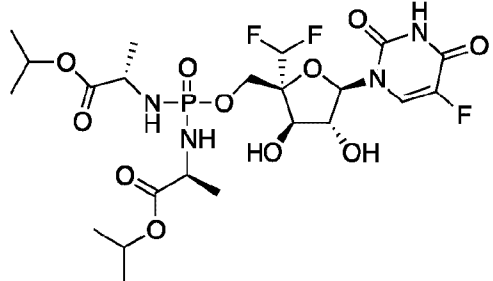
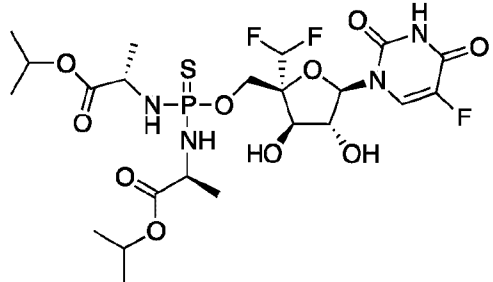
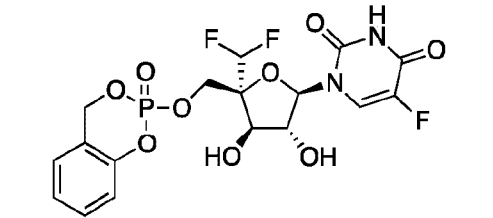
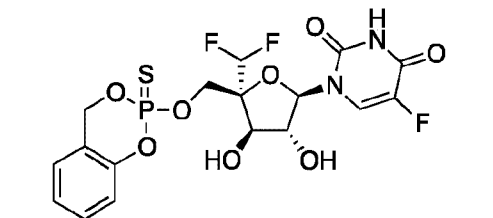
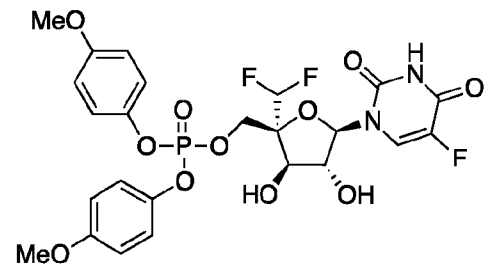
Compound Number	Structure	Name
I-770		4'-Difluoromethyl-5-fluoroxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-771		4'-Difluoromethyl-5-fluoroxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-772		4'-Difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxylouridine
I-773		4'-Difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxylouridine
I-774		4'-Difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroxylouridine

Table 1. Examples of compounds of generic Formula I.

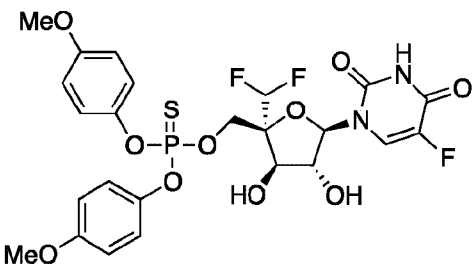
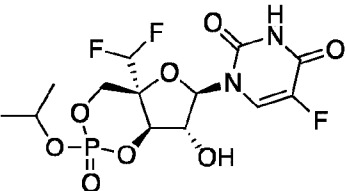
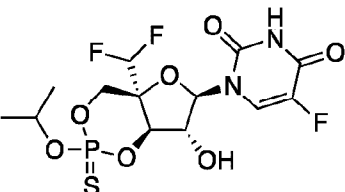
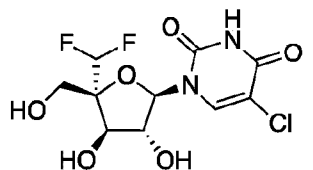
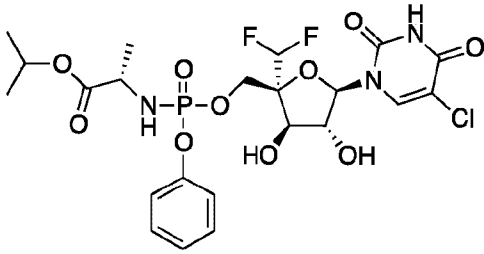
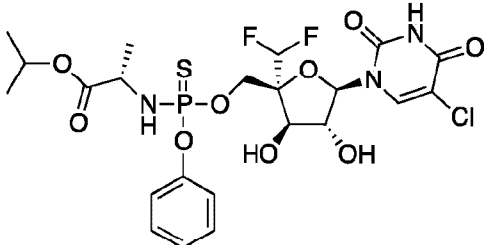
Compound Number	Structure	Name
I-775		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroxylouridine
I-776		4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-777		4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-778		5-Chloro-4'-difluoromethylxylouridine
I-779		5-Chloro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-780		5-Chloro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-781		5-Chloro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-782		5-Chloro-4'-difluoromethylxylouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-783		5-Chloro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-784		5-Chloro-4'-difluoromethylxylouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-785		5-Chloro-4'-difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-786		5-Chloro-4'-difluoromethylxylouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-787		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-788		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-yl)-xylouridine
I-789		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]xylouridine

Table 1. Examples of compounds of generic Formula I.

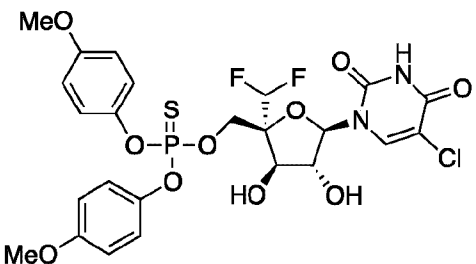
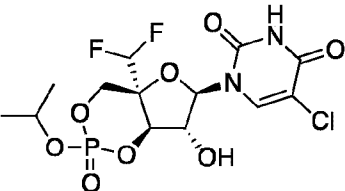
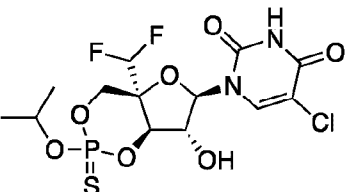
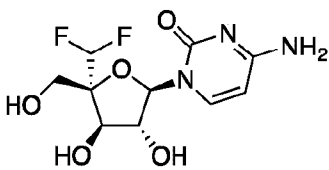
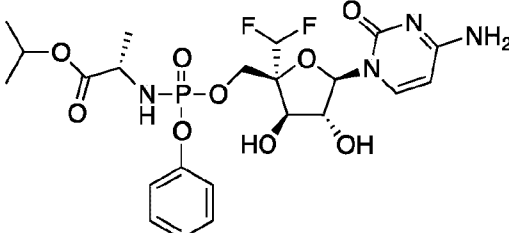
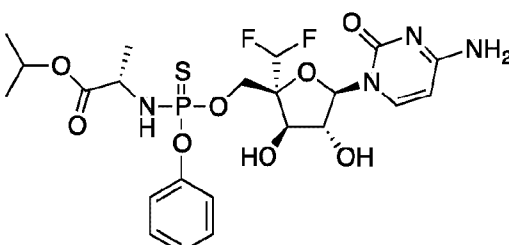
Compound Number	Structure	Name
I-790		5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine
I-791		5-Chloro-4'-difluoromethylxylouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-792		5-Chloro-4'-difluoromethylxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-793		4'-Difluoromethylxylocytidine
I-794		4'-Difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-795		4'-Difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

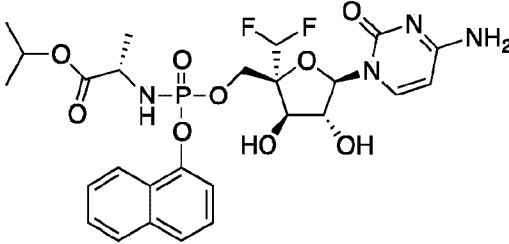
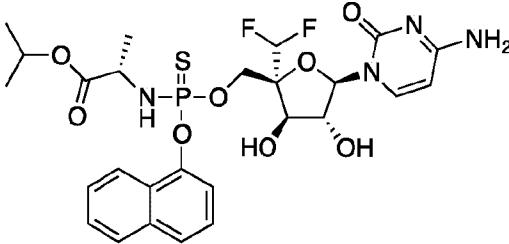
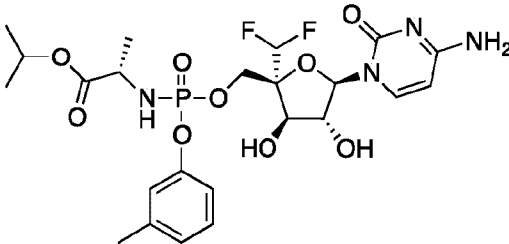
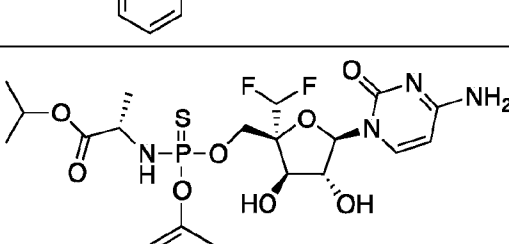
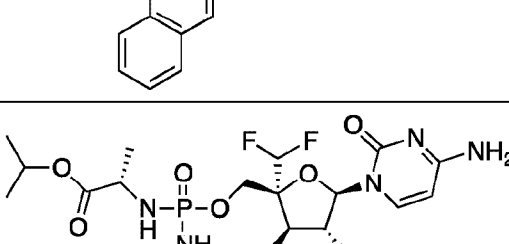
Compound Number	Structure	Name
I-796		4'- Difluoromethylxylocytidine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-797		4'- Difluoromethylxylocytidine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-798		4'- Difluoromethylxylocytidine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-799		4'- Difluoromethylxylocytidine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-800		4'- Difluoromethylxylocytidine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]ph osphorodiamidate

Table 1. Examples of compounds of generic Formula I.

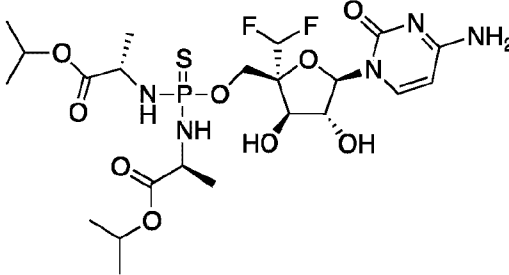
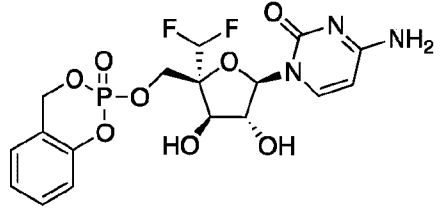
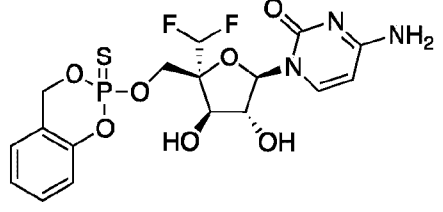
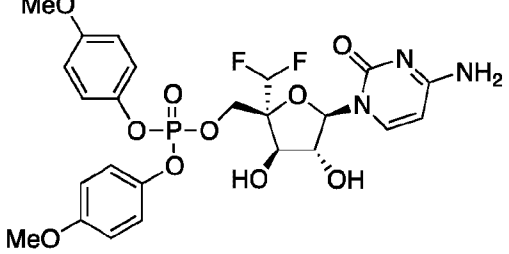
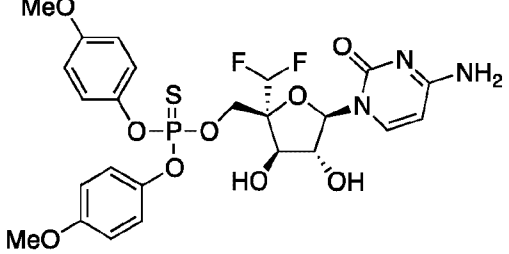
Compound Number	Structure	Name
I-801		4'- Difluoromethylxylocytidine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]thi ophosphorodiamidate
I-802		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)phosphinyl] xylocytidine
I-603		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)thiophosphin yl] xylocytidine
I-804		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)phosphinyl] xylocytidine
I-805		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)thiophosphin yl] xylocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-806		4'- Difluoromethylxylocytidine- 3',5'-cyclic phosphoric acid isopropyl ester
I-807		4'- Difluoromethylxylocytidine- 3',5'-cyclic thiophosphoric acid isopropyl ester
I-808		4'-Difluoromethyl-5- fluoroxycytidine
I-809		4'-Difluoromethyl-5- fluoroxycytidine-5'-(<i>O</i> - phenyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-810		4'-Difluoromethyl-5- fluoroxycytidine-5'-(<i>O</i> - phenyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-811		4'-Difluoromethyl-5- fluoroxycytidine-5'-(<i>O</i> -1- naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-812		4'-Difluoromethyl-5-fluoroxycytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-813		4'-Difluoromethyl-5-fluoroxycytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-814		4'-Difluoromethyl-5-fluoroxycytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-815		4'-Difluoromethyl-5-fluoroxycytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

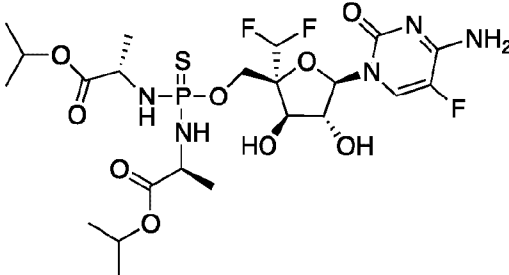
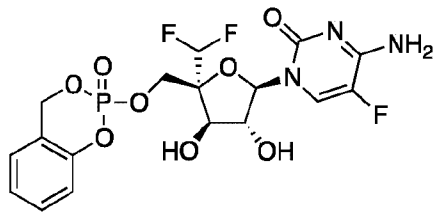
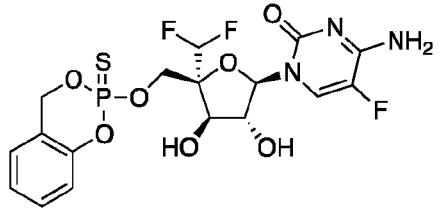
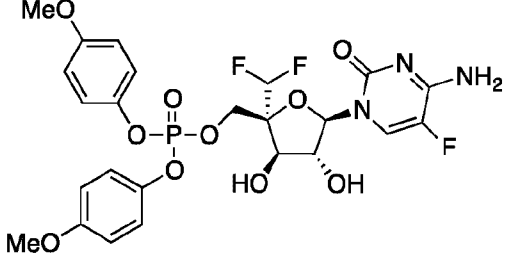
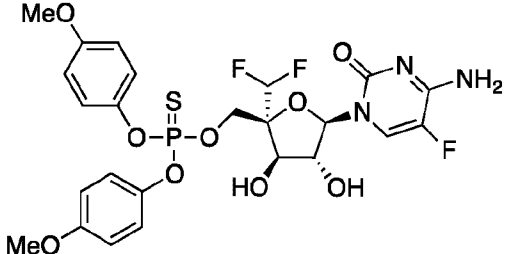
Compound Number	Structure	Name
I-816		4'-Difluoromethyl-5-fluororibityl-2'-amino-2'-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-817		4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluororibityl-2'-amino-2'-fluorocytidine
I-818		4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluororibityl-2'-amino-2'-fluorocytidine
I-819		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluororibityl-2'-amino-2'-fluorocytidine
I-820		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluororibityl-2'-amino-2'-fluorocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-821		4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic phosphoric acid isopropyl ester
I-822		4'-Difluoromethyl-5-fluoroxycytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-823		5-Chloro-4'-difluoromethylxylocytidine
I-824		5-Chloro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-825		5-Chloro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-826		5-Chloro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

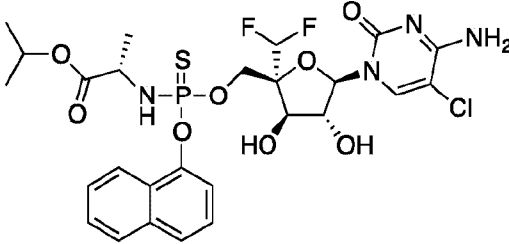
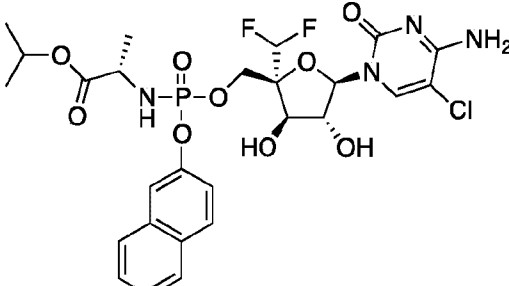
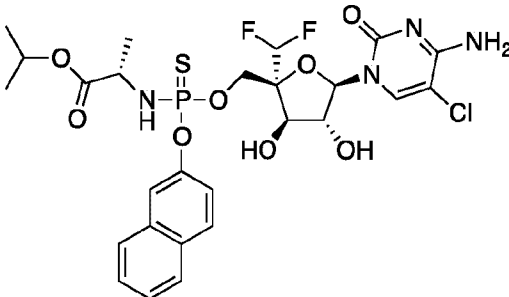
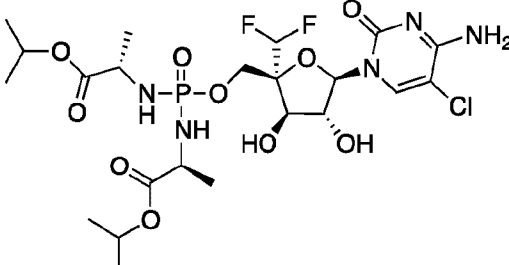
Compound Number	Structure	Name
I-827		5-Chloro-4'- difluoromethylxylocytidine-5'- (<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-828		5-Chloro-4'- difluoromethylxylocytidine-5'- (<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-829		5-Chloro-4'- difluoromethylxylocytidine-5'- (<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-830		5-Chloro-4'- difluoromethylxylocytidine-5'- { <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]ph osphorodiamidate

Table 1. Examples of compounds of generic Formula I.

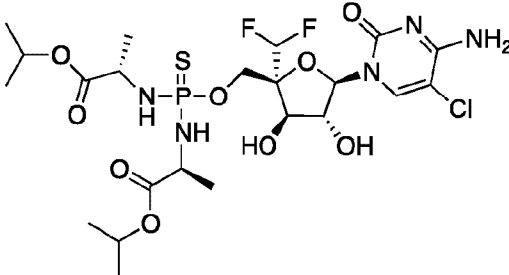
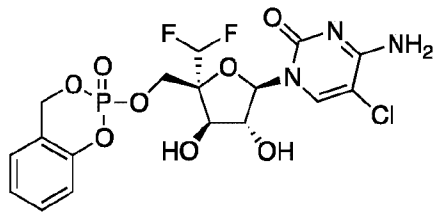
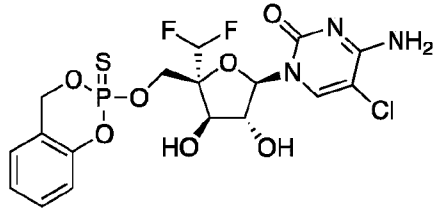
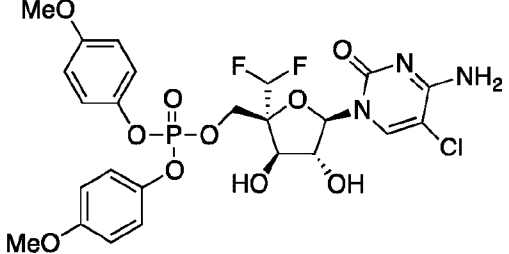
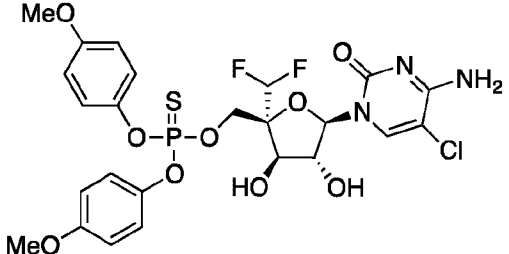
Compound Number	Structure	Name
I-831		5-Chloro-4'-difluoromethylxylocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-832		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine
I-833		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine
I-834		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]xylocytidine
I-835		5-Chloro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-836		5-Chloro-4'-difluoromethylxylocytidine-3',5'-cyclic phosphoric acid isopropyl ester
I-837		5-Chloro-4'-difluoromethylxylocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-838		4'-Difluoromethylxyloadenosine
I-839		4'-Difluoromethylxyloadenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-840		4'-Difluoromethylxyloadenosine-5'-(<i>O</i> -phenyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-841		4'-Difluoromethylxyloadenosine-5'-(<i>O</i> -1-naphthyl- <i>N</i> (<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

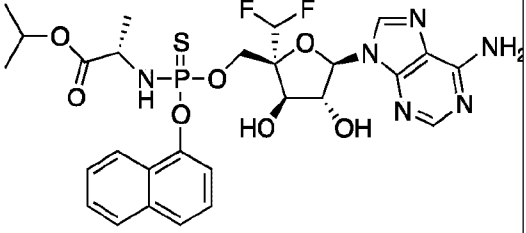
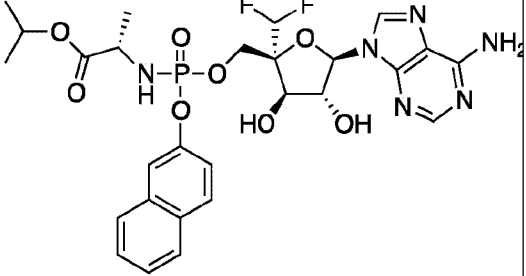
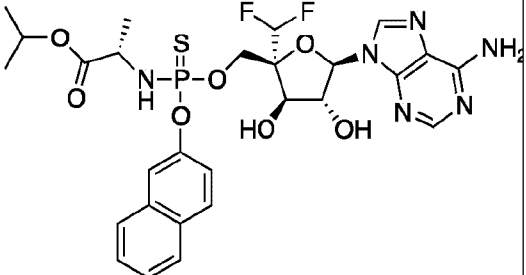
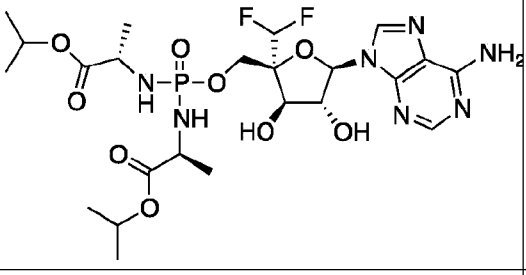
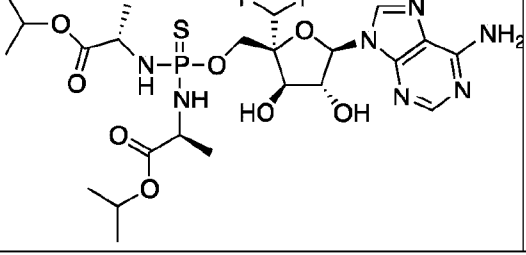
Compound Number	Structure	Name
I-842		4'- Difluoromethylxyloadenosine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-843		4'- Difluoromethylxyloadenosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-844		4'- Difluoromethylxyloadenosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-845		4'- Difluoromethylxyloadenosine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]ph osphorodiamidate
I-846		4'- Difluoromethylxyloadenosine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]thi ophosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

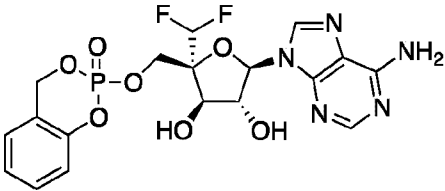
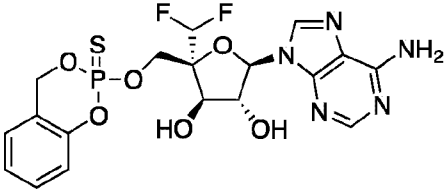
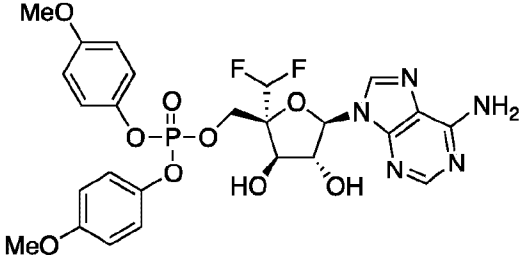
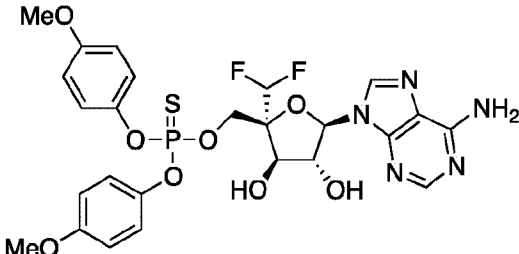
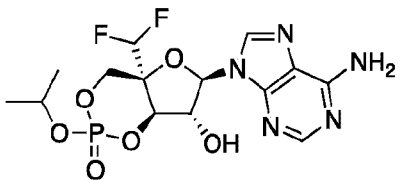
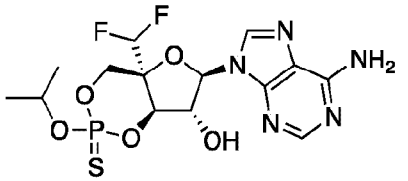
Compound Number	Structure	Name
I-847		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine
I-848		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine
I-849		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine
I-850		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine
I-851		4'-Difluoromethylxyloadenosine-3',5'-cyclic phosphoric acid isopropyl ester
I-852		4'-Difluoromethylxyloadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-853		4'- Difluoromethylxyloguanosine
I-854		4'- Difluoromethylxyloguanosine- 5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-855		4'- Difluoromethylxyloguanosine- 5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-856		4'- Difluoromethylxyloguanosine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-857		4'- Difluoromethylxyloguanosine- 5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-858		4'- Difluoromethylxyloguanosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl phosphoramidate
I-859		4'- Difluoromethylxyloguanosine- 5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1- (isopropoxycarbonyl)ethyl thiophosphoramidate
I-860		4'- Difluoromethylxyloguanosine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]ph osphorodiamidate
I-861		4'- Difluoromethylxyloguanosine- 5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1- (isopropoxycarbonyl)ethyl]thi ophosphorodiamidate
I-862		4'-Difluoromethyl-5'- <i>O</i> - [bis(4- methoxyphenoxy)phosphinyl] xyloguanosine

Table 1. Examples of compounds of generic Formula I.

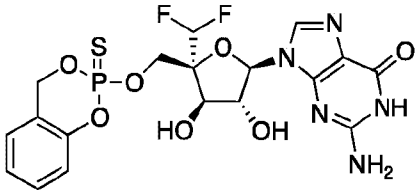
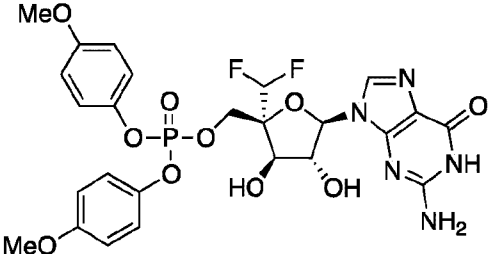
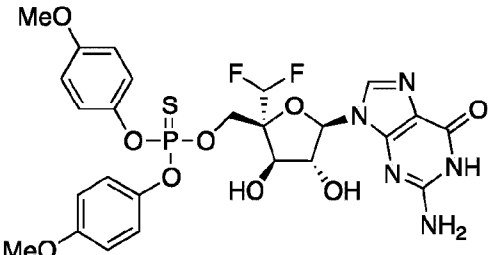
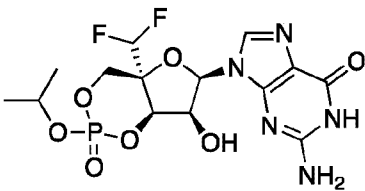
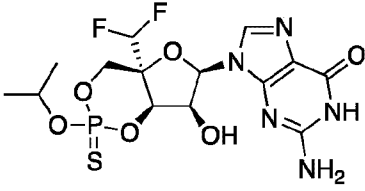
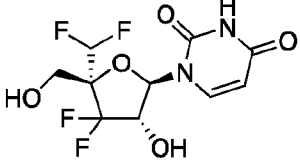
Compound Number	Structure	Name
I-863		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine
I-864		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine
I-865		4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine
I-866		4'-Difluoromethylxyloguanosine-3',5'-cyclic phosphoric acid isopropyl ester
I-867		4'-Difluoromethylxyloguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester
I-868		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine

Table 1. Examples of compounds of generic Formula I.

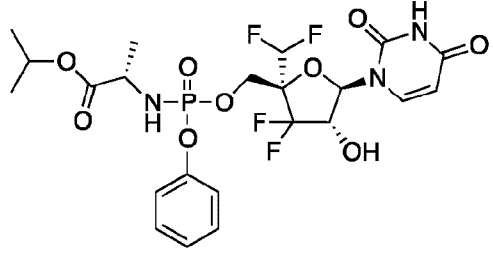
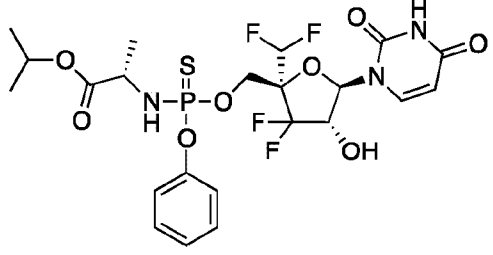
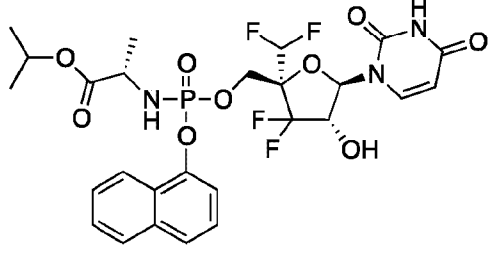
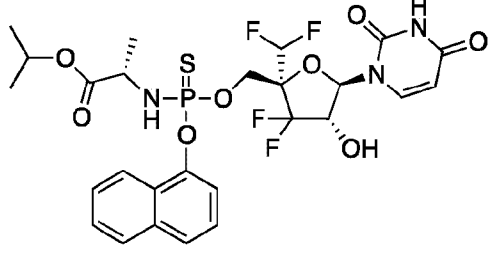
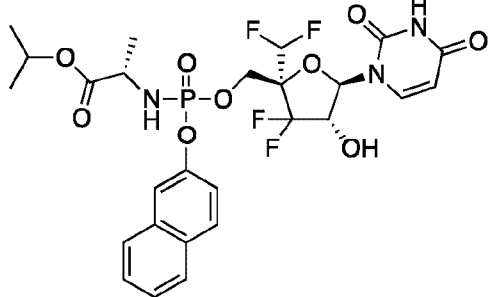
Compound Number	Structure	Name
I-869		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-870		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-871		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-872		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-873		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-874		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-875		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-876		3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-877		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)uridine
I-878		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)uridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-879		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine
I-880		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine
I-881		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine
I-882		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-883		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-884		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-885		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-886		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-887		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

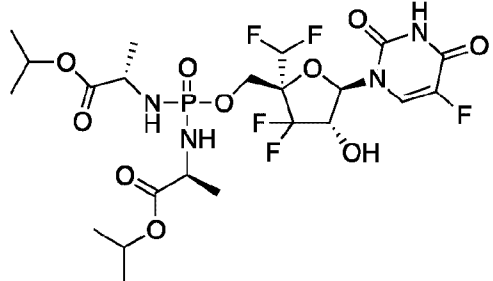
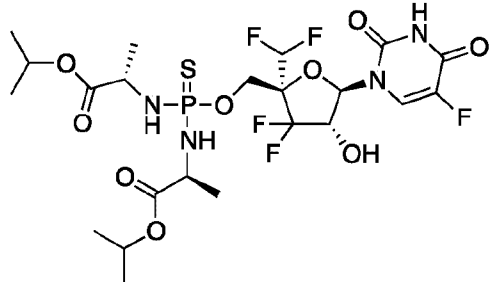
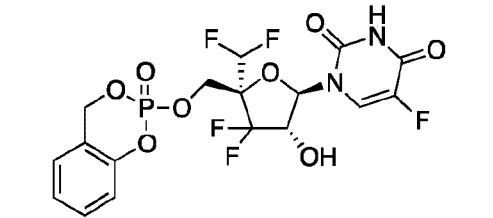
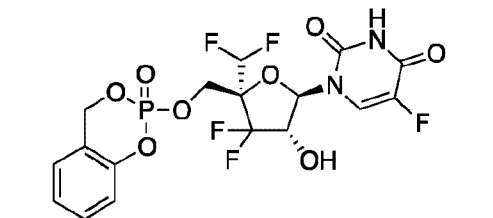
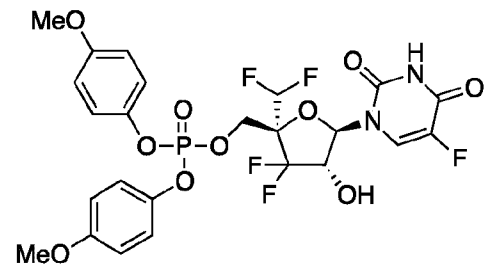
Compound Number	Structure	Name
I-888		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-889		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-890		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-891		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-892		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-893		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorouridine
I-894		5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine
I-895		5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-896		5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-897		5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

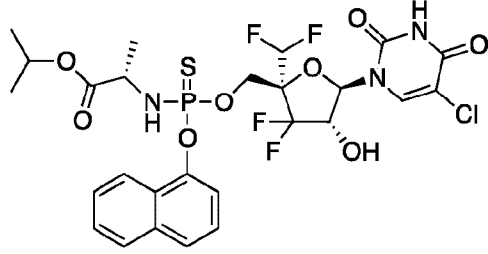
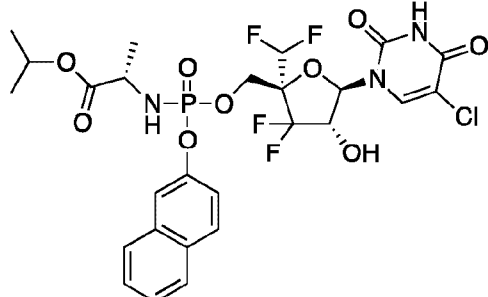
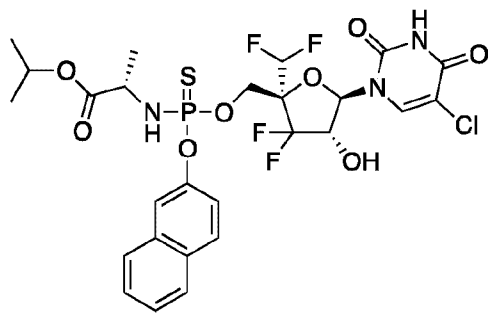
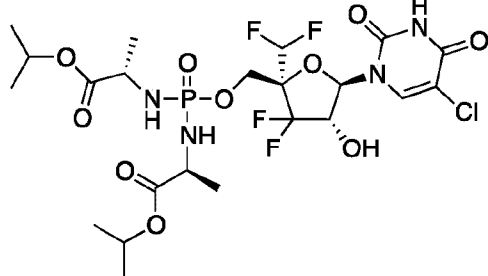
Compound Number	Structure	Name
I-898		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-899		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-900		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-901		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-902		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-903		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-904		5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethyluridine-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine
I-905		5-Chloro-3'-deoxy -3',3'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine
I-906		5-Chloro-3'-deoxy -3',3'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine

Table 1. Examples of compounds of generic Formula I.

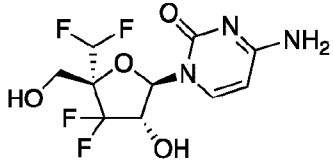
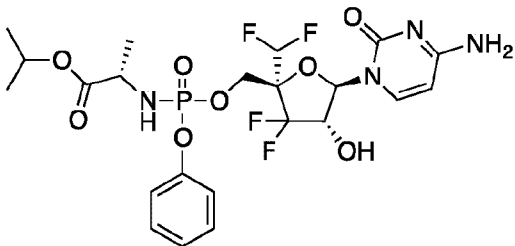
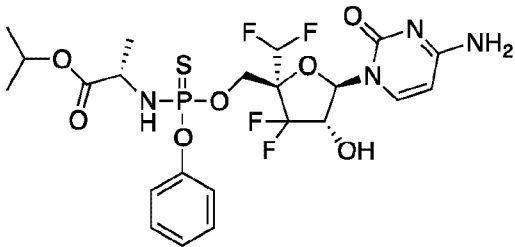
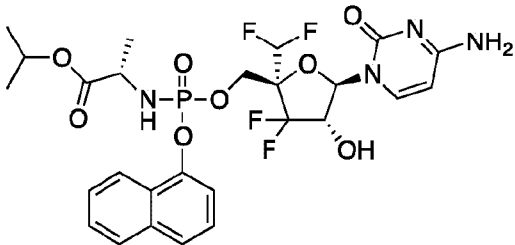
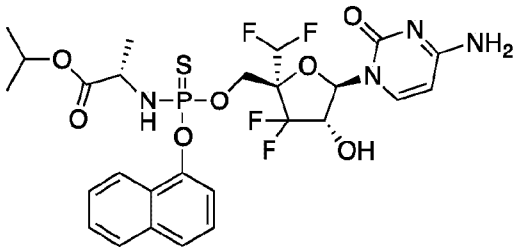
Compound Number	Structure	Name
I-907		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine
I-908		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-909		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-910		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-911		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-912		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-913		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-914		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-915		3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-916		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine

Table 1. Examples of compounds of generic Formula I.

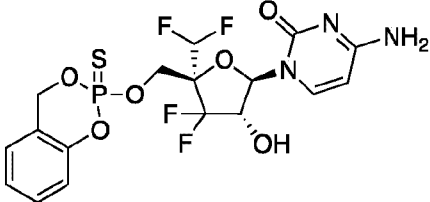
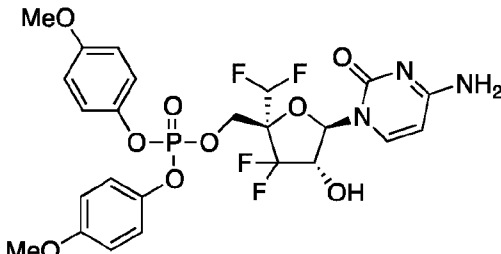
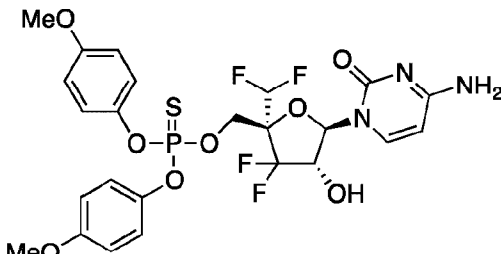
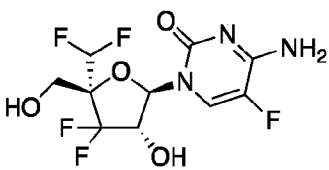
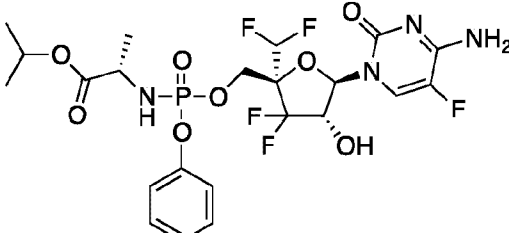
Compound Number	Structure	Name
I-917		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine
I-918		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]cytidine
I-919		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]cytidine
I-920		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine
I-921		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

Table 1. Examples of compounds of generic Formula I.

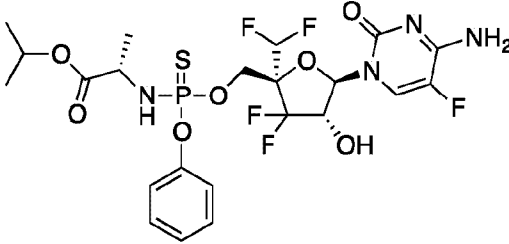
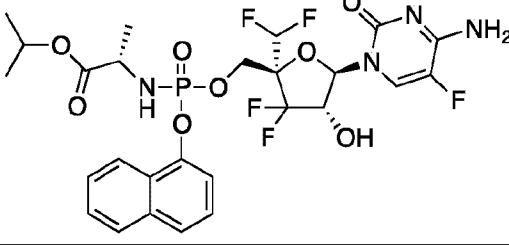
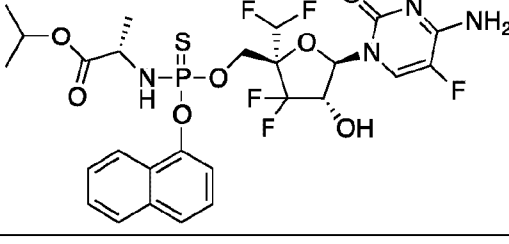
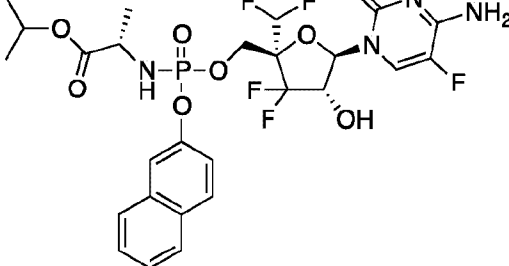
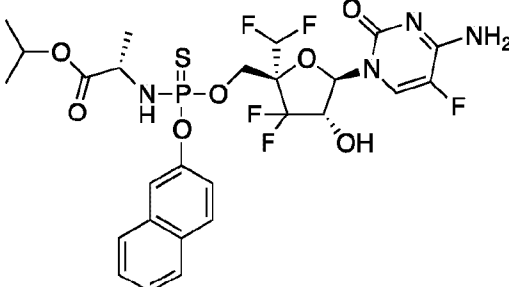
Compound Number	Structure	Name
I-922		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -phenyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-923		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-924		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -1-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate
I-925		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl phosphoramidate
I-926		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(<i>O</i> -2-naphthyl- <i>N</i> -(<i>S</i>)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

Table 1. Examples of compounds of generic Formula I.

Compound Number	Structure	Name
I-927		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate
I-928		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{ <i>N,N'</i> -bis[(<i>S</i>)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate
I-929		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-930		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'- <i>O</i> -(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine
I-931		3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'- <i>O</i> -[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine

DEMANDES OU BREVETS VOLUMINEUX

**LA PRÉSENTE PARTIE DE CETTE DEMANDE OU CE BREVETS
COMPREND PLUS D'UN TOME.**

CECI EST LE TOME __1__ DE __2__

NOTE: Pour les tomes additionels, veuillez contacter le Bureau Canadien des Brevets.

JUMBO APPLICATIONS / PATENTS

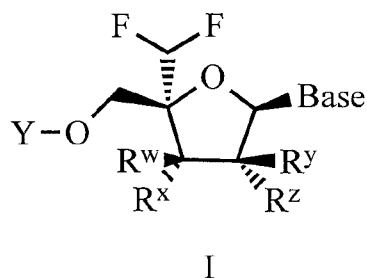
**THIS SECTION OF THE APPLICATION / PATENT CONTAINS MORE
THAN ONE VOLUME.**

THIS IS VOLUME __1__ OF __2__

NOTE: For additional volumes please contact the Canadian Patent Office.

WE CLAIM:

1. A compound of Formula I



wherein:

Y is H or $P(=X)(R')(R)$;

R is $O-R^1$ or $NHR^{1'}$;

$R^{1'}$ is $-C(R^{2a})(R^{2b})C(=O)OR^3$;

R' is $N(R^4)C(R^{2a})(R^{2b})C(=O)OR^3$, $-OP(=O)(OH)OP(=O)(OH)OH$, or $-OR^3$;

R^1 is H, lower haloalkyl, or aryl, wherein aryl is phenyl or naphthyl, optionally substituted with one or more lower alkyl, lower alkenyl, lower alkynyl, lower alkoxy, halo, lower haloalkyl, $-N(R^{1a})_2$, acylamino, $-SO_2N(R^{1a})_2$, $-C(=O)R^{1b}$, $-SO_2(R^{1c})$, $-NHSO_2(R^{1c})$, nitro, cyano, or $R^{1''}$;

each R^{1a} is independently H or lower alkyl;

each R^{1b} is independently $-OR^{1a}$ or $-N(R^{1a})_2$;

each R^{1c} is lower alkyl;

each R^{2a} and R^{2b} is independently H, lower alkyl, $-(CH_2)_rN(R^{1a})_2$, lower hydroxyalkyl, $-CH_2SH$, $-(CH_2)_pS(O)_pMe$, $-(CH_2)_nNHC(=NH)NH_2$, (1*H*-indol-3-yl)methyl, (1*H*-indol-4-yl)methyl, $-(CH_2)_mC(=O)R^{1b}$, aryl and aryl lower alkyl, wherein aryl is optionally substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

m is 0, 1, or 2;

n is 1, 2, or 3;

p is 1 or 2;

r is 1 or 2;

or R^{2a} is H and R^{2b} and R^4 together form $(CH_2)_n$;

each R³ is independently H, lower alkyl, lower haloalkyl, phenyl or phenyl lower alkyl, wherein phenyl and phenyl lower alkyl are optionally substituted with lower alkoxy;

or R³ and R^{1''} together form CH₂;

each R⁴ is independently H, lower alkyl;

or R^{2b} and R⁴ together form (CH₂)₃;

R^w, R^y, and R^z are each independently H, OH or F;

R^x is H, OH, or F;

or R³ and R^x together form a bond;

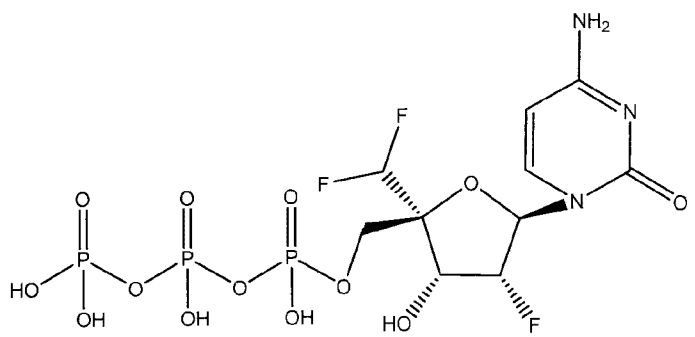
or R¹ and R^x together form a bond;

X is O or S;

Base is uracil, cytosine, guanine, adenine, or thymine, each of which may optionally be substituted with one or more hydroxy, lower alkyl, lower alkoxy, halo, nitro or cyano;

with the proviso that if R^w is H, R^y is H, and R^z is H, then R^x is not H; and

with the proviso that Formula I is not ((2R,3R,4R,5R)-5-(4-amino-2-oxopyrimidin-1(2H)-yl)-2-(difluoromethyl)-4-fluoro-3-hydroxytetrahydrofuran-2-yl)methyl tetrahydrogen triphosphate



or a pharmaceutically acceptable salt thereof.

2. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^w is H, R^y is H, R^x is OH, and R^z is OH.

3. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^w is F, R^y is H, R^x is F, and R^z is OH.

4. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is OH, R^Y is H, R^X is H, and R^Z is OH.
5. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is F, R^Y is H, R^X is H, and R^Z is OH.
6. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is H, R^Y is H, R^X is F, and R^Z is OH.
7. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is H, R^Y is OH, R^X is OH, and R^Z is H.
8. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is H, R^Y is F, R^X is OH, and R^Z is F.
9. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is H, R^Y is F, R^X is OH, and R^Z is H.
10. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^W is H, R^Y is H, R^X is OH, and R^Z is F.
11. The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein R^Y is O- R^3 , R^3 is lower alkyl, R is -OR¹, and R^1 and R^X together form a bond.
12. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 10, wherein R is -OR¹, R^1 is phenyl substituted with $R^{1''}$, R^Y is -OR³, and R^3 and $R^{1''}$ together form CH₂.
13. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 10, wherein R is O- R^1 , and R^1 is phenyl optionally substituted with methoxy.

14. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 10, wherein R is O-R¹, and R¹ is naphthylenyl.
15. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 10, wherein R' is N(R⁴)C(R^{2a})(R^{2b})C(=O)OR³, R⁴ is H, R^{2a} is H, R^{2b} is methyl, and R³ is isopropyl.
16. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 10, wherein R' is -OP(=O)(OH)OP(=O)(OH)OH.
17. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 16, wherein X is O.
18. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 16, wherein X is S.
19. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 18, wherein Base is cytosine optionally substituted with halo.
20. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 18, wherein Base is uracil optionally substituted with halo.
21. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 18, wherein Base is guanine.
22. The compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 18, wherein Base is adenine.
23. A compound or pharmaceutically acceptable salt thereof, wherein the compound is:
4'-Difluoromethyluridine;
4'-Difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyluridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyluridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyluridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-*O*-(2-oxido-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;
 4'-Difluoromethyl-5'-*O*-(2-sulfide-4-*H*-1,3,2-benzodioxaphosphorin-2-yl)-uridine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)phosphinyl] uridine;
 4'-Difluoromethyl-5'-*O*-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;
 4'-Difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluorouridine;
 4'-Difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorouridine-5'-(*O*-phenyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorouridine-5'-(*O*-1-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorouridine-5'-(*O*-2-naphthyl-*N*-(*S*)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyluridine-5'-{*N,N'*-bis[(*S*)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorouridine;
 4'-Difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-chlorouridine;
 4'-Difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-chlorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-chlorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-chlorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-chlorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-chlorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethyl-5-chlorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine;

4'-Difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylcytidine;
 4'-Difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(benzyloxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] cytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;
 4'-Difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluorocytidine;
 4'-Difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;

4'-Difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4'-Difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorocytidine;

4'-Difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethyl-5-chlorocytidine;

4'-Difluoromethyl-5-chlorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-chlorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethyl-5-chlorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] -5-chlorocytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] -5-chlorocytidine;
 4'-Difluoromethyl-5-chlorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-chlorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyladenosine;
 4'-Difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] adenosine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;
 4'-Difluoromethyladenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyladenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-7-adenosine;

4'-Difluoromethyl-7-adenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-7-adenosine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethyl-7-adenosine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-7-adenosine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-7-adenosine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-7-adenosine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;
 4'-Difluoromethyl-7-adenosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-7-adenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylguanosine;
 4'-Difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;

4'-Difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

4'-Difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(
(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] guanosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine;

4'-Difluoromethylguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(
(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(
(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-
uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-uridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

2'-Deoxy-4'-difluoromethyl-2'-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-cytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorocytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5-chlorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] adenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroadenosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethyladenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] guanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] arauridine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] arauridine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-arauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine;

2'-Deoxy-4'-difluoromethyl-2',5-difluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2',5-difluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-arauridine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] aracytidine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] aracytidine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-aracytidine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine;

2'-Deoxy-4'-difluoromethyl-2',5-difluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2',5-difluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-aracytidine;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

4-Chloro-2'-deoxy-4'-difluoromethyl-2'-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araadenosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araadenosine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraadenosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethylaraguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araguanosine;

2'-Deoxy-2'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araguanosine;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-4'-difluoromethyl-2'-fluoroaraguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyluridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyluridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Dideoxy-2'-difluoro-4'-difluoromethyluridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Dideoxy-2'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-uridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-chlorouridine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-chlorouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-cytidine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5-fluorocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate);

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate);

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate);

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate);

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate);

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate);

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl) cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl) cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

5-Chloro-2'-deoxy-2',2'-difluoro-4'-difluoromethylcytidine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-fluoro-4'-difluoromethylcytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyladenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] guanosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] guanosine;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

2'-Deoxy-2',2'-difluoro-4'-difluoromethylguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethylarauridine;

4'-Difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};
 4'-Difluoromethylarauridine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate};
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] arauridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] arauridine;
 4'-Difluoromethylarauridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroarauridine;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate

4'-Difluoromethyl-5-fluoroarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate

4'-Difluoromethyl-5-fluoroarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate

4'-difluoromethyl-5-fluoroarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethyl-5-fluoroarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroarauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroarauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroarauridine;

2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroarauridine;

4'-Difluoromethyl—5-fluoroarauridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluoroarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylarauridine;

5-Chloro-4'-difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylarauridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 5-Chloro-4'-difluoromethylarauridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 5-Chloro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 5-Chloro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-arauridine;
 5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-arauridine;
 5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-arauridine;
 5-Chloro-4'-difluoromethylarauridine-3',5'-cyclic phosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylarauridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylaracytidine;
 4'-Difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] aracytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] aracytidine;

4'-Difluoromethylaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroaracytidine;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-difluoromethyl-5-fluoroaracytidine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethyl-5-fluoroaracytidine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroaracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-
 fluoroaracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-
 fluoroaracytidine;
 2'-Deoxy-2',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-
 fluoroaracytidine;
 4'-Difluoromethyl—5-fluoroaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylaracytidine;

5-Chloro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylaracytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4-Chloro-2'-deoxy-2'-fluoro-4'-difluoromethylaracytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylaracytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-4'-difluoromethylaracytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

5-Chloro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-aracytidine;

5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-aracytidine;

5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-aracytidine;

5-Chloro-4'-difluoromethylaracytidine-3',5'-cyclic phosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylaracytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethylaraadenosine;

4'-Difluoromethylaraadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylaraadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;

4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araadenosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araadenosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araadenosine;

4'-Difluoromethylaraadenosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylaraadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

[0001] 4'-Difluoromethylaraguanosine;

4'-Difluoromethylaraguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylaraguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylaraguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylaraguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-araguanosine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] araguanosine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] araguanosine;
 4'-Difluoromethylaraguanosine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylaraguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(
 isopropoxycarbonyl)ethyl]phosphorodiamidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(
 isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-
 uridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-
 uridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

3'-Deoxy-3'-fluoro-4'-difluoromethylxycytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xycytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xycytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xycytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xycytidine;

3'-Deoxy-3'-5-difluoro-4'-difluoromethylxycytidine;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;

3'-Deoxy-3',5-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;

5-Chloro-3'-deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;

5-Chloro-3'-deoxy -3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]xylocytidine;

5-Chloro-3'-deoxy 3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]xylocytidine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethylxyloguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-
 xyloguanosine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-
 xyloguanosine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine;
 3'-Deoxy-3'-fluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine;
 4'-Difluoromethylxylouridine;
 4'-Difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-(
 isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;
 4'-Difluoromethylxylouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroxylouridine;

4'-Difluoromethyl-5-fluoroxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethyl-5-fluoroxylouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxylouridine;

4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxylouridine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroxylouridine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroxylouridine;

4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;

5-Chloro-4'-difluoromethylxylouridine;

5-Chloro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-4'-difluoromethylxylouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 5-Chloro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 5-Chloro-4'-difluoromethylxylouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 5-Chloro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]phosphorodiamidate;
 5-Chloro-4'-difluoromethylxylouridine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 5-Chloro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;
 5-Chloro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylouridine;
 5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylouridine;
 5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylouridine;
 5-Chloro-4'-difluoromethylxylouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylxylouridine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylxylocytidine;
 4'-Difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 4'-Difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 4'-Difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 4'-Difluoromethylxylocytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethylxylocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroxycytidine;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;
 4'-Difluoromethyl-5-fluoroxycytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 4'-Difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxycytidine;
 4'-Difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluoroxycytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluoroxycytidine;
 4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluoroxycytidine;

4'-Difluoromethyl-5-fluoroxylouridine-3',5'-cyclic phosphoric acid isopropyl ester;
 4'-Difluoromethyl-5-fluoroxycytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylxylocytidine;
 5-Chloro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 phosphoramidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl
 thiophosphoramidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]phosphorodiamidate;
 5-Chloro-4'-difluoromethylxylocytidine-5'-{N,N'-bis[(S)-1-
 (isopropoxycarbonyl)ethyl]thiophosphorodiamidate;
 5-Chloro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 5-Chloro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-xylocytidine;
 5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xylocytidine;
 5-Chloro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xylocytidine;
 5-Chloro-4'-difluoromethylxylocytidine-3',5'-cyclic phosphoric acid isopropyl ester;
 5-Chloro-4'-difluoromethylxylocytidine-3',5'-cyclic thiophosphoric acid isopropyl ester;
 4'-Difluoromethylxyladenosine;
 4'-Difluoromethylxyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl;
 phosphoramidate;

4'-Difluoromethylxyloadenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylxyloadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylxyloadenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylxyloadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylxyloadenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylxyloadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylxyloadenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloadenosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloadenosine;

4'-Difluoromethylxyloadenosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylxyloadenosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

4'-Difluoromethylxyloguanosine;

4'-Difluoromethylxyloguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

4'-Difluoromethylxyloguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

4'-Difluoromethylxyloguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

4'-Difluoromethylxyloguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] xyloguanosine;

4'-Difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] xyloguanosine;

4'-Difluoromethylxyloguanosine-3',5'-cyclic phosphoric acid isopropyl ester;

4'-Difluoromethylxyloguanosine-3',5'-cyclic thiophosphoric acid isopropyl ester;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorouridine-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorouridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorouridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate};

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate};

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyluridine-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]uridine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]uridine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5-fluorocytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]-5-fluorocytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]-5-fluorocytidine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy -3',3'-difluoro-4'-difluoromethylcytidine-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-uridine;

5-Chloro-3'-deoxy -3',3'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl]cytidine;

5-Chloro-3'-deoxy -3',3'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]cytidine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylcytidine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyladenosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-adenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] adenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl] adenosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(O-phenyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(O-1-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl phosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-(O-2-naphthyl-N-(S)-1-(isopropoxycarbonyl)ethyl thiophosphoramidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]phosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethylguanosine-5'-{N,N'-bis[(S)-1-(isopropoxycarbonyl)ethyl]thiophosphorodiamidate;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-oxido-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

3'-Deoxy-3',3'-difluoro-4'-difluoromethyl-5'-O-(2-sulfide-4-H-1,3,2-benzodioxaphosphorin-2-yl)-guanosine;

3'-Deoxy-3',3'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)phosphinyl] guanosine; or
3'-Deoxy-3',3'-difluoro -4'-difluoromethyl-5'-O-[bis(4-methoxyphenoxy)thiophosphinyl]
guanosine.

24. A pharmaceutical composition comprising a compound in accordance with any one of claims 1 to 23 and a therapeutically inert carrier.

25. The pharmaceutical composition of claim 24, in combination with one or more antiviral compounds.

26. The pharmaceutical composition of claim 25, wherein the one or more antiviral compounds comprises one or more anti-Influenza compounds.

27. A compound or pharmaceutically acceptable salt thereof defined in any one of claims 1 to 23 for use in the treatment or prophylaxis of Influenza infection.

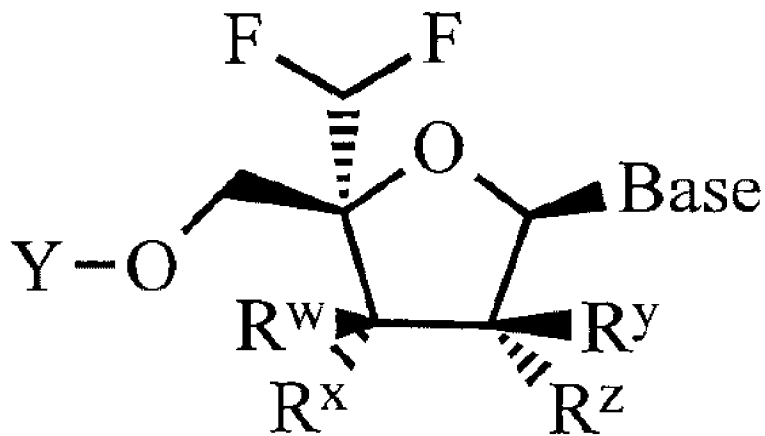
28. A pharmaceutical composition according to any one of claims 24 to 26 for use in the treatment or prophylaxis of Influenza infection.

29. A use of a compound or pharmaceutically acceptable salt thereof defined in any one of claims 1 to 23, for the treatment or prophylaxis of Influenza infection.

30. A use of a compound or pharmaceutically acceptable salt thereof defined in any one of claims 1 to 23, in the manufacture of a medicament for the treatment or prophylaxis of Influenza infection.

31. The compound or pharmaceutically acceptable salt thereof for use according to claim 27, in the treatment of Influenza infection.

32. The use of claim 29 or 30, for the treatment of Influenza infection.



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