CD BioGlyco

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Product Information

3′-Deoxy-3′-fluorocytidine

Cat. No.: X24-03-LY694

Size: 1 g; 5 g; 10 g; 25 g

CAS Number: 123402-20-0

Compound CID: 451603

Synonym: 123402-20-0; 3'-Fluoro-3'-deoxycytidine; Cytidine, 3'-deoxy-3'-fluoro-;

4-Amino-1-((2*R*,3*S*,4*S*,5*R*

)

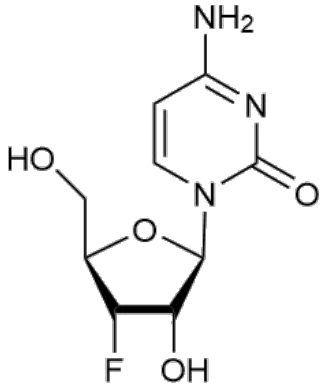
-

4-f

luoro

-3-hydroxy-5-(hydroxymethyl)-tetrahydrofuran-2-yl)-3,4-dihydropyrimidin-2(1*H*)-one;

1-(3-Deoxy-3-fluoro-beta-D-ribofuranosyl)thymine



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	3′-Deoxy-3′-fluorocytidine is a nucleoside analog with a fluorine atom.
Molecular Weight	245.21
Molecular Formula	$C_9H_{12}FN_3O_4$
IUPAC Name	4-amino-1-[(2*R*,3*S*,4*S*,5*R*)-4-Fluoro-3-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidin-2-one
InChI	InChI=1S/C9H12FN3O4/c10-6-4(3-14)17-8(7(6)15)13-2-1-5(11)12-9(13)16/h1-2,4,6-8,14-15H,3H2,(H2,11,12,16)/t4-,6-,7-,8-/m1/s1
InChI Key	PKOBNLOZXOHYOP-XVFCMESISA-N
Canonical SMILES	C1=CN(C(=O)N=C1N)C2C(C(C(O2)CO)F)O
Isomeric SMILES	C1=CN(C(=O)N=C1N)[C@H]2[C@@H]([C@@H]([C@H](O2)CO)F)O
Form	Solid
Purity	≥98%
Applications	3′-Deoxy-3′-fluorocytidine is mainly used as a precursor for antiviral drugs.
Storage	Store at -20°C.

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