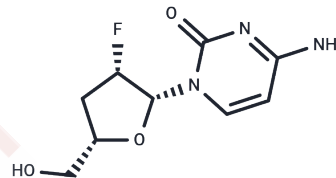


DDG-39

## Chemical Properties

CAS No. : 119555-47-4  
 Formula: C<sub>9</sub>H<sub>12</sub>FN<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 229.21  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	DDG-39 (1-(2,3-dideoxy-2-fluoropentofuranosyl)cytosine) possesses antiviral activity with potent and selective anti-HIV-1 and HBV activity in cell culture. The average antiviral IC <sub>50</sub> is 0.61 μM.
Targets(IC <sub>50</sub> )	Antiviral,HIV Protease,HBV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3628 mL	21.8141 mL	43.6281 mL
5 mM	0.8726 mL	4.3628 mL	8.7256 mL
10 mM	0.4363 mL	2.1814 mL	4.3628 mL
50 mM	0.0873 mL	0.4363 mL	0.8726 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Tetko IV, et al. HIV-1 reverse transcriptase inhibitor design using artificial neural networks. J Med Chem. 1994;37 (16):2520-2526.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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