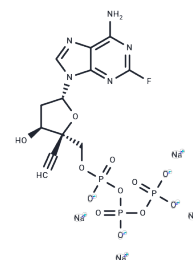


EFdA-TP tetrasodium

Chemical Properties

CAS No. :	2883783-00-2
Formula:	C ₁₂ H ₁₁ FN ₅ Na ₄ O ₁₂ P ₃
Molecular Weight:	621.12
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	EFdA-TP tetrasodium, a potent nucleoside reverse transcriptase (RT) inhibitor, effectively halts RT-catalyzed DNA synthesis by acting as an immediate or delayed chain terminator (ICT or DCT). It employs multiple mechanisms to inhibit HIV-1 RT [1].
Targets(IC50)	HIV Protease,Reverse Transcriptase,DNA/RNA Synthesis
In vitro	EFdA-TP tetrasodium, at concentrations ranging from 0.05-10 μM and applied for 15 minutes, acts as a translocation-defective reverse transcriptase (RT) inhibitor, significantly hindering RT-catalyzed DNA synthesis. It operates both as an immediate chain terminator (ICT) and as a delayed chain terminator (DCT), allowing for the insertion of one more deoxynucleotide triphosphate (dNTP) before effectively halting DNA synthesis [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.610 mL	8.050 mL	16.0999 mL
5 mM	0.322 mL	1.610 mL	3.220 mL
10 mM	0.161 mL	0.805 mL	1.610 mL
50 mM	0.0322 mL	0.161 mL	0.322 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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