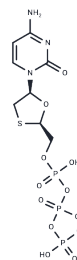


Lamivudine triphosphate

Chemical Properties

CAS No. :	143188-53-8
Formula:	C ₈ H ₁₄ N ₃ O ₁₂ P ₃ S
Molecular Weight:	469.2
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	Lamivudine triphosphate (3TCTP), a phosphorylated form of the nucleoside analogue Lamivudine, inhibits the reverse transcriptase of HIV or HBV, blocking viral replication through chain termination. It also acts as an inhibitor of the RdRp activity of the HCVNS5B subunit. Additionally, Lamivudine triphosphate can be incorporated into nascent RNA by SARS-CoV-2 RdRp, thereby preventing mutations in the newly synthesized SARS-CoV-2 RNA.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1313 mL	10.6564 mL	21.3129 mL
5 mM	0.4263 mL	2.1313 mL	4.2626 mL
10 mM	0.2131 mL	1.0656 mL	2.1313 mL
50 mM	0.0426 mL	0.2131 mL	0.4263 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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