

Lamivudine triphosphate TEA

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2736455-56-2 |
| Formula: | C ₂₆ H ₅₉ N ₆ O ₁₂ P ₃ S |
| Molecular Weight: | 772.77 |
| 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

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|---------------|--|
| Description | Lamivudinetriphosphate (3TCTP) TEA is a phosphorylated form of Lamivudine, a nucleoside analogue. It inhibits the reverse transcriptase of the HIV or HBV virus, preventing viral replication through chain termination. Additionally, Lamivudine triphosphate TEA is an inhibitor of RdRp activity in the HCV NS5B subunit. It can also be incorporated into nascent RNA by SARS-CoV-2 RdRp, thereby halting mutations in new SARS-CoV-2 RNA. |
| Targets(IC50) | Reverse Transcriptase,HBV,SARS-CoV |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.294 mL | 6.4702 mL | 12.9405 mL |
| 5 mM | 0.2588 mL | 1.294 mL | 2.5881 mL |
| 10 mM | 0.1294 mL | 0.647 mL | 1.294 mL |
| 50 mM | 0.0259 mL | 0.1294 mL | 0.2588 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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