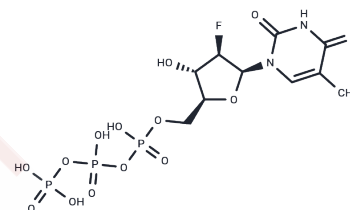


Clevudine triphosphate

Chemical Properties

CAS No. :	174625-00-4
Formula:	C ₁₀ H ₁₆ FN ₂ O ₁₄ P ₃
Molecular Weight:	500.16
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	Clevudine triphosphate is a TTP analog that is able to inhibit protein priming independently of the deoxynucleoside triphosphate substrate.
Targets(IC50)	Others,HBV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9994 mL	9.9968 mL	19.9936 mL
5 mM	0.3999 mL	1.9994 mL	3.9987 mL
10 mM	0.1999 mL	0.9997 mL	1.9994 mL
50 mM	0.040 mL	0.1999 mL	0.3999 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

- Jones SA, Murakami E, Delaney W, Furman P, Hu J. Noncompetitive inhibition of hepatitis B virus reverse transcriptase protein priming and DNA synthesis by the nucleoside analog clevudine. *Antimicrob Agents Chemother.* 2013 Sep;57(9):4181-9. doi: 10.1128/AAC.00599-13. Epub 2013 Jun 17. Erratum in: *Antimicrob Agents Chemother.* 2013 Nov;57(11):5788. PubMed PMID: 23774432; PubMed Central PMCID: PMC3754288.
- Jang YO, Quan X, Das R, Xu S, Chung CH, Ahn CM, Baik SK, Kong ID, Park KS, Kim MY. High-dose clevudine impairs mitochondrial function and glucose-stimulated insulin secretion in INS-1E cells. *BMC Gastroenterol.* 2012 Jan 10; 12:4. doi: 10.1186/1471-230X-12-4. PubMed PMID: 22230186; PubMed Central PMCID: PMC3288815.
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- Niu C, Murakami E, Furman PA. Clevudine is efficiently phosphorylated to the active triphosphate form in primary human hepatocytes. *Antivir Ther.* 2008;13(2):263-9. PubMed PMID: 18505177.

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