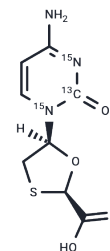


Lamivudine 13C,15N2

Chemical Properties

CAS No. :	1391052-30-4
Formula:	C ₈ H ₉ N ₃ O ₄ S
Molecular Weight:	246.22
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 13C,15N2, an impurity of Lamivudine (BCH-189), functions as an inhibitor of both HIV-1/2 reverse transcriptase and hepatitis B virus reverse transcriptase, classifying it as a nucleoside reverse transcriptase inhibitor (NRTIs).
Targets(IC50)	HIV Protease,Reverse Transcriptase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0614 mL	20.307 mL	40.6141 mL
5 mM	0.8123 mL	4.0614 mL	8.1228 mL
10 mM	0.4061 mL	2.0307 mL	4.0614 mL
50 mM	0.0812 mL	0.4061 mL	0.8123 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

- Li, Y.C., [A clinical study on lamivudine treatment for advanced schistosomiasis with chronic B hepatitis]. Zhongguo Xue Xi Chong Bing Fang Zhi Za Zhi, 2013. 25(5): p. 548-9, 551.
- Zhang, C.E., et al., [Effects of lamivudine on growth of intestinal characteristic bacteria by microcalorimetry in vitro]. Yao Xue Xue Bao, 2013. 48(10): p. 1590-4.

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