

(S)-Tenofovir

Chemical Properties

CAS No. :	147127-19-3
Formula:	C ₉ H ₁₄ N ₅ O ₄ P
Molecular Weight:	287.212
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	(S)-Tenofovir ((S)-PMPA) is the less active S-enantiomer of Tenofovir which is a nucleotide reverse transcriptase inhibitor.
Targets(IC50)	Others,HIV Protease,HBV

Solubility Information

Solubility	DMSO: 5.00 mg/mL (17.41 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4818 mL	17.4089 mL	34.8177 mL
5 mM	0.6964 mL	3.4818 mL	6.9635 mL
10 mM	0.3482 mL	1.7409 mL	3.4818 mL
50 mM	0.0696 mL	0.3482 mL	0.6964 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

Murphy RA, et al. Establishment of HK-2 Cells as a Relevant Model to Study Tenofovir-Induced Cytotoxicity. Int J Mol Sci. 2017 Mar 1;18(3).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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