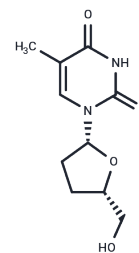


3'-Deoxy Thymidine

Chemical Properties

CAS No. :	3416-05-5
Formula:	C ₁₀ H ₁₄ N ₂ O ₄
Molecular Weight:	226.23
Storage:	Keep away from direct sunlight, Keep away from moisture, 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	3'-Deoxy Thymidine is a nucleoside analog of thymidine with antiviral activity. 3'-Deoxy Thymidine inhibit HIV replication in peripheral blood mononuclear cells (EC ₅₀ = 0.17 μM). 3'-Deoxy Thymidine also decreases plaque formation in CV-1 cells infected with HSV-1 at micromolar concentrations. These properties support the use of 3'-Deoxy Thymidine in antiviral mechanism studies and nucleoside analog evaluation.
Targets(IC ₅₀)	HIV Protease

Solubility Information

Solubility	DMSO: 80.00 mg/mL (353.62 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4203 mL	22.1014 mL	44.2028 mL
5 mM	0.8841 mL	4.4203 mL	8.8406 mL
10 mM	0.442 mL	2.2101 mL	4.4203 mL
50 mM	0.0884 mL	0.442 mL	0.8841 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

Zhu G,et al. Transcriptomic analysis of granulosa cell populations proximal and distal to the germinal disc of chicken preovulatory follicles. Sci Rep. 2021 Feb 25;11(1):4683.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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