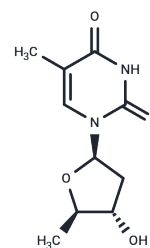


5-deoxy Thymidine

Chemical Properties

CAS No. :	3458-14-8
Formula:	C10H14N2O4
Molecular Weight:	226.23
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	5-deoxy Thymidine (5'-Deoxythymidine) is a thymidine form which 5' position replaced with hydrogen. 5'-deoxy Thymidine was effective against the activity of Bacillus subtilis and Staphylococcus aureus.
Targets(IC50)	Others, Antibiotic

Solubility Information

Solubility	DMSO: 60 mg/mL (265.22 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

Hatano A , Nishimura M , Souta I . Impact of Unnatural Nucleosides on the Control of Microbial Growth[J]. Biocontrol Science, 2009, 14(2):55-60.

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