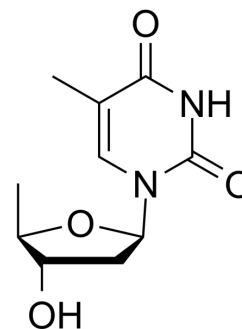


5'-Deoxythymidine

Cat. No.:	HY-124425
CAS No.:	3458-14-8
Molecular Formula:	C ₁₀ H ₁₄ N ₂ O ₄
Molecular Weight:	226.23
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (552.54 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		4.4203 mL	22.1014 mL	44.2028 mL
	5 mM		0.8841 mL	4.4203 mL	8.8406 mL
	10 mM		0.4420 mL	2.2101 mL	4.4203 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5'-Deoxythymidine is a thymidine form which 5' position replaced with hydrogen. 5'-deoxy Thymidine is effective against *Bacillus subtilis* and *Staphylococcus aureus*. 5'-Deoxythymidine can be used as a research tool for antiviral and anticancer studies^[1].

REFERENCES

[1]. Hatano A, et al. Impact of unnatural nucleosides on the control of microbial growth. *Biocontrol Sci.* 2009;14(2):55-60.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA