



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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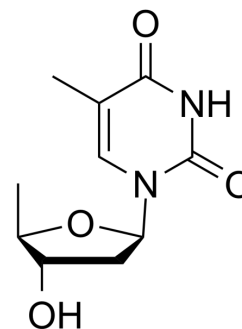
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5'-Deoxythymidine

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:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (552.54 mM)
 H₂O : 50 mg/mL (221.01 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Preparing Stock Solutions	1 mM	4.4203 mL	22.1014 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.

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