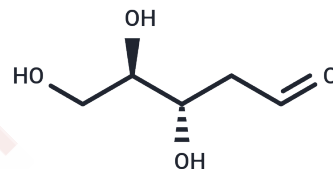


Thymine

Chemical Properties

CAS No. :	533-67-5
Formula:	C ₅ H ₁₀ O ₄
Molecular Weight:	134.13
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thymine induces apoptosis by inhibiting glutathione synthesis and increasing its efflux.
Targets(IC50)	Apoptosis,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (410.05 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	7.4555 mL	37.2773 mL	74.5545 mL
5 mM	1.4911 mL	7.4555 mL	14.9109 mL
10 mM	0.7455 mL	3.7277 mL	7.4555 mL
50 mM	0.1491 mL	0.7455 mL	1.4911 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.

Reference

Fico A, et al. 2-deoxy-d-ribose induces apoptosis by inhibiting the synthesis and increasing the efflux of glutathione. Free Radic Biol Med. 2008 Jul 15;45(2):211-7.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481