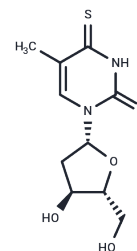


4-Thiothymidine

Chemical Properties

CAS No. :	7236-57-9
Formula:	C ₁₀ H ₁₄ N ₂ O ₄ S
Molecular Weight:	258.29
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	4-Thiothymidine is a Nucleoside Derivative - Thio-nucleoside, 5-Modified pyrimidine nucleoside.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: 25.83 mg/mL (100 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	3.8716 mL	19.3581 mL	38.7162 mL
5 mM	0.7743 mL	3.8716 mL	7.7432 mL
10 mM	0.3872 mL	1.9358 mL	3.8716 mL
50 mM	0.0774 mL	0.3872 mL	0.7743 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

Robak T, et al. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. Curr Pharm Des. 2012;18(23):3373-88.

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