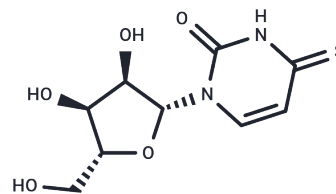


4-Thiouridine

Chemical Properties

CAS No. :	13957-31-8
Formula:	C ₉ H ₁₂ N ₂ O ₅ S
Molecular Weight:	260.27
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	4-Thiouridine (4-SU) is a photoactivatable ribonucleoside analog that is widely used for RNA analysis, including short-range RNA-RNA crosslinking and nascent RNA labeling. The crosslinking thio moiety is attached directly to the nucleotide base, thus 4-SU
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/ml PBS (pH 7.2): 5 mg/ml Ethanol: 2 mg/mL DMF: 10 mg/ml (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8422 mL	19.2108 mL	38.4216 mL
5 mM	0.7684 mL	3.8422 mL	7.6843 mL
10 mM	0.3842 mL	1.9211 mL	3.8422 mL
50 mM	0.0768 mL	0.3842 mL	0.7684 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

Bernd Rädle, et al. Metabolic labeling of newly transcribed RNA for high resolution gene expression profiling of RNA synthesis, processing and decay in cell culture. J Vis Exp. 2013 Aug 8;(78):50195.

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