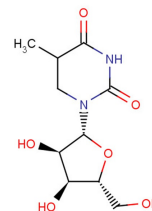


5-Methyl-5,6-dihydrouridine

Chemical Properties

CAS No.:	23067-10-9
Formula:	C ₁₀ H ₁₆ N ₂ O ₆
Molecular Weight:	260.24
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	5-Methyl-5,6-dihydrouridine is a minor constituent in the chromosomal RNA of the rat ascites tumor. It can be used for nucleic acid modification.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.843 mL	19.213 mL	38.426 mL
5 mM	0.769 mL	3.843 mL	7.685 mL
10 mM	0.384 mL	1.921 mL	3.843 mL
50 mM	0.077 mL	0.384 mL	0.769 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Vinko Škarić, et al. Synthesis of (529- and (5 S)-5-Methyl-5,6-dihydrouridine

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