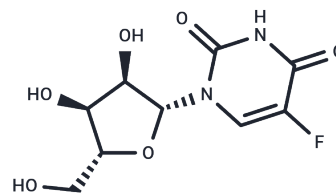


5-Fluorouridine

Chemical Properties

CAS No. :	316-46-1
Formula:	C ₉ H ₁₁ FN ₂ O ₆
Molecular Weight:	262.19
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	5-fluorouridine is also known as FURd, 5-Fluorouracil 1-beta-D-ribofuranoside, 5-Fur, or 5-Fluoro-uridine. 5-fluorouridine is a solid. This compound belongs to the pyrimidine nucleosides and analogues. These are compounds comprising a pyrimidine base attached to a sugar. 5-fluorouridine is known to target uridine phosphorylase. FURd is often used in chemical and biochemical comparison studies with fluorouracil and thymine analogs.
Targets(IC50)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	5% DMSO+95% Saline: 1.25 mg/mL (4.77 mM) DMSO: 25 mg/mL (95.35 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.814 mL	19.0701 mL	38.1403 mL
5 mM	0.7628 mL	3.814 mL	7.6281 mL
10 mM	0.3814 mL	1.907 mL	3.814 mL
50 mM	0.0763 mL	0.3814 mL	0.7628 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

Spenkuch F, et al. Nucleic Acids Res. 2014 Nov 10;42(20):12735-45.

Wu H, Zhang L, Chen B, et al.B13, a well-tolerated inhibitor of hedgehog pathway, exhibited potent anti-tumor

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