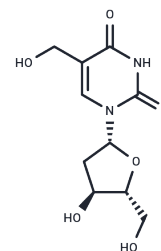


5-Hydroxymethyldeoxyuridine

Chemical Properties

CAS No. :	5116-24-5
Formula:	C ₁₀ H ₁₄ N ₂ O ₆
Molecular Weight:	258.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	5-Hydroxymethyldeoxyuridine is an analog of nucleoside that has anticancer and antiviral activities. It suppresses the replication of murine S180 lung carcinoma cells and Ehrlich ascites mammary carcinoma cells (ED50s = 8.5 and 4 µM, respectively) and multiple human leukemia cell lines (IC50s = 1.7-5.8 µM).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (96.81 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8725 mL	19.3626 mL	38.7252 mL
5 mM	0.7745 mL	3.8725 mL	7.745 mL
10 mM	0.3873 mL	1.9363 mL	3.8725 mL
50 mM	0.0775 mL	0.3873 mL	0.7745 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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