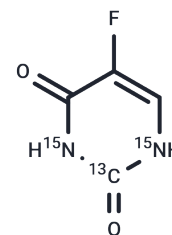


5-Fluorouracil-13C,15N2

Chemical Properties

CAS No. :	1189423-58-2
Formula:	C ₄ H ₃ FN ₂ O ₂
Molecular Weight:	133.057
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	5-Fluorouracil-13C,15N2 is intended for use as an internal standard for the quantification of 5-fluorouracil by GC- or LC-MS. 5-Fluorouracil (T0984) is a pyrimidine analog that irreversibly inhibits thymidylate synthase, blocking the synthesis of thymidine which is required for DNA synthesis. Intracellular metabolites of 5-fluorouracil exert cytotoxic effects by either inhibiting thymidylate synthetase, or through incorporation into RNA and DNA, ultimately initiating apoptosis.
Targets(IC50)	Apoptosis,Nucleoside Antimetabolite/Analog,HIV Protease,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.5154 mL	37.577 mL	75.1541 mL
5 mM	1.5031 mL	7.5154 mL	15.0308 mL
10 mM	0.7515 mL	3.7577 mL	7.5154 mL
50 mM	0.1503 mL	0.7515 mL	1.5031 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481