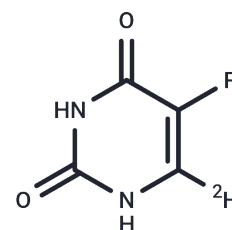


5-Fluorouracil-D1

Chemical Properties

CAS No. : 90344-84-6
 Formula: C₄H₃FN₂O₂
 Molecular Weight: 131.08
 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-D1 is the deuterated form of 5-Fluorouracil. 5-Fluorouracil (T0984) (5-FU) is a nucleoside antimetabolite, a uracil analog with potent antitumor properties. It interferes with pyrimidine synthesis by inhibiting thymidylate synthase, depleting the intracellular dTTP pool. 5-Fluorouracil (T0984) induces apoptosis and can be used as a chemosensitizer. Additionally, it inhibits the HIV virus and disrupts exosome-specific rRNA.
Targets(IC50)	Apoptosis,Nucleoside Antimetabolite/Analog,HIV Protease,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.6289 mL	38.1446 mL	76.2893 mL
5 mM	1.5258 mL	7.6289 mL	15.2579 mL
10 mM	0.7629 mL	3.8145 mL	7.6289 mL
50 mM	0.1526 mL	0.7629 mL	1.5258 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

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