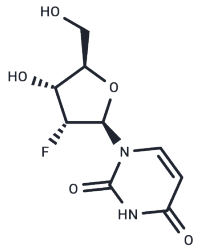
Data Sheet (Cat.No.T38239)

TargetMol

2'-Deoxy-2'-fluorouridine

Chemical Properties



CAS No. : 784-71-4

Formula: C9H11FN2O5

Molecular Weight: 246.19

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	2'-Deoxy-2'-fluorouridine serves as an intermediate in the synthesis of antiviral agents targeting influenza viruses[1].
Targets(IC50)	Others,IFNAR,Influenza Virus

Solubility Information

Solubility	DMSO: 100 mg/mL (406.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (16.25 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0619 mL	20.3095 mL	40.619 mL
5 mM	0.8124 mL	4.0619 mL	8.1238 mL
10 mM	0.4062 mL	2.031 mL	4.0619 mL
50 mM	0.0812 mL	0.4062 mL	0.8124 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.

Reference

J V Tuttle, et al. Purine 2'-deoxy-2'-fluororibosides as antiinfluenza virus agents. J Med Chem

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