Data Sheet (Cat.No.T21474)

TargetMol

Navuridine

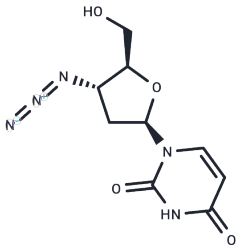
Chemical Properties

CAS No. : 84472-85-5

Formula: C9H11N5O4

Molecular Weight: 253.22

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	Navuridine (AZdU) is an oral active inhibitor of HIV reverse transcriptase with a relatively short half-life.
Targets(IC50)	HIV Protease

Solubility Information

Solubility	H2O: Soluble, DMSO: 30 mg/mL (118.47 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: 2 mg/mL (7.9 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	3.9491 mL	19.7457 mL	39.4914 mL
5 mM	0.7898 mL	3.9491 mL	7.8983 mL
10 mM	0.3949 mL	1.9746 mL	3.9491 mL
50 mM	0.079 mL	0.3949 mL	0.7898 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

Vilar S, Santana L, Uriarte E. Probabilistic neural network model for the in silico evaluation of anti-HIV activity and mechanism of action. J Med Chem. 2006 Feb 9;49(3):1118-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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