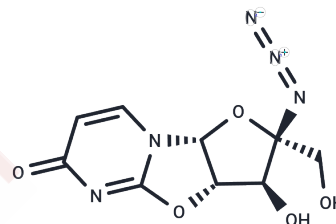


Nucleoside-Analog-1

Chemical Properties

CAS No. :	876707-99-2
Formula:	C ₉ H ₉ N ₅ O ₅
Molecular Weight:	267.2
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	Nucleoside-Analog-1 is a 4'-Azidocytidine analogue, used to against Hepatitis C virus replication.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,HCV Protease

Solubility Information

Solubility	H ₂ O: 20 mg/mL (74.85 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7425 mL	18.7126 mL	37.4251 mL
5 mM	0.7485 mL	3.7425 mL	7.485 mL
10 mM	0.3743 mL	1.8713 mL	3.7425 mL
50 mM	0.0749 mL	0.3743 mL	0.7485 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

- Smith DB, et al. The design, synthesis, and antiviral activity of 4'-azidocytidine analogues against hepatitis C virus replication: the discovery of 4'-azidoarabinocytidine. J Med Chem. 2009 Jan 8;52(1):219-23.
- Smith DB, et al. The design, synthesis, and antiviral activity of monofluoro and difluoro analogues of 4'-azidocytidine against hepatitis C virus replication: the discovery of 4'-azido-2'-deoxy-2'-fluorocytidine and 4'-azido-2'-dideoxy-2',2'-difluorocytidine. J Med Chem. 2009 May 14;52(9):2971-8.

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