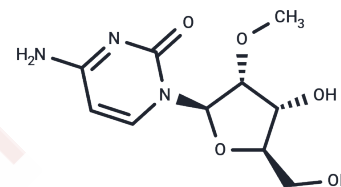


2'-O-Methylcytidine

Chemical Properties

CAS No. :	2140-72-9
Formula:	C10H15N3O5
Molecular Weight:	257.24
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'-O-Methylcytidine inhibits NS5B-catalyzed RNA synthesis in vitro, in a manner that is competitive with substrate nucleoside triphosphate. 2'-O-Methylcytidine inhibits HCV RNA replication.
Targets(IC50)	Nucleoside Antimetabolite/Analog,HCV Protease,DNA/RNA Synthesis

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (38.87 mM),Sonication is recommended. H2O: 62.5 mg/mL (242.96 mM),Sonication is recommended. DMSO: 0.2 mg/mL (0.78 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	3.8874 mL	19.4371 mL	38.8742 mL
5 mM	0.7775 mL	3.8874 mL	7.7748 mL
10 mM	0.3887 mL	1.9437 mL	3.8874 mL
50 mM	0.0777 mL	0.3887 mL	0.7775 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

Migliaccio, G., Tomassini, J.E., Carroll, S.S., et al.Characterization of resistance to non-obligate chain-terminating ribonucleoside analogs that inhibit hepatitis C virus replication in vitro. Bio. Chem.278(49)49164-49170(2003)

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