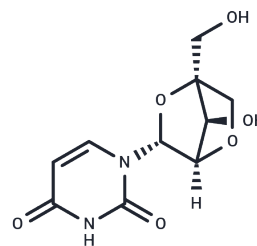


2'-O,4'-C-Methyleneuridine

Chemical Properties

CAS No. :	200435-92-3
Formula:	C ₁₀ H ₁₂ N ₂ O ₆
Molecular Weight:	256.21
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	2'-O,4'-C-Methyleneuridine is a novel bicyclic nucleoside analog with a characteristic C3'-endo sugar pucker.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

Solubility Information

Solubility	DMSO: 100 mg/mL (390.3 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 (15.61 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.903 mL	19.5152 mL	39.0305 mL
5 mM	0.7806 mL	3.903 mL	7.8061 mL
10 mM	0.3903 mL	1.9515 mL	3.903 mL
50 mM	0.0781 mL	0.3903 mL	0.7806 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

Chapron C, et al. Synthesis of 2'-O,4'-C-alkylene-bridged ribonucleosides and their evaluation as inhibitors of HCV NS5B polymerase. *Bioorg Med Chem Lett*. 2014 Jun 15;24(12):2699-702.

Sharma VK, et al. Chemoenzymatic convergent synthesis of 2'-O,4'-C-methylenribonucleosides. *J Org Chem*. 2014 Jul 3;79(13):6336-41.

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