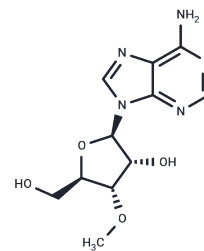


3'-O-Methyladenosine

Chemical Properties

CAS No. :	10300-22-8
Formula:	C ₁₁ H ₁₅ N ₅ O ₄
Molecular Weight:	281.27
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	3'-O-Methyladenosine is an antiviral compound with inhibitory activity against West Nile Virus and can be used for the treatment of viral infections. 3'-O-Methyladenosine inhibits adenosine deaminase type VII with a K_i value of 493 μ M.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Antiviral, Adenosine Deaminase

Solubility Information

Solubility	DMSO: 55 mg/mL (195.54 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	3.5553 mL	17.7765 mL	35.553 mL
5 mM	0.7111 mL	3.5553 mL	7.1106 mL
10 mM	0.3555 mL	1.7777 mL	3.5553 mL
50 mM	0.0711 mL	0.3555 mL	0.7111 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

Chinault AC, et al. Preparation of Escherichia coli tRNAs terminating of modified nucleosides by the use of CTP (ATP):tRNA nucleotidyltransferase and polynucleotide phosphorylase. Biochemistry. 1977;16(4):756-765.

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