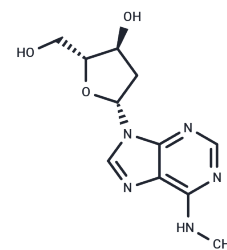


N6-Methyldeoxyadenosine

Chemical Properties

CAS No. :	2002-35-9
Formula:	C ₁₁ H ₁₅ N ₅ O ₃
Molecular Weight:	265.27
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	N6-Methyldeoxyadenosine is an adenine nucleoside analogue exhibiting antimalarial activity against Plasmodium falciparum, with an IC ₃₇ of 10 µM.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Parasite

Solubility Information

Solubility	DMSO: 80 mg/mL (301.58 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: 3.3 mg/mL (12.44 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	3.7697 mL	18.8487 mL	37.6974 mL
5 mM	0.7539 mL	3.7697 mL	7.5395 mL
10 mM	0.377 mL	1.8849 mL	3.7697 mL
50 mM	0.0754 mL	0.377 mL	0.7539 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

Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. Curr Pharm Des. 2012;18(23):3373-88.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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