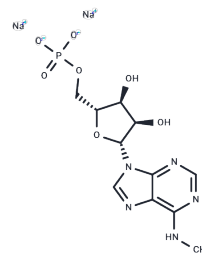


N6-Methyladenosine 5'-monophosphate disodium salt

Chemical Properties

CAS No. :	81921-35-9
Formula:	C ₁₁ H ₁₄ N ₅ Na ₂ O ₇ P
Molecular Weight:	405.21
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	N6-Methyladenosine 5'-monophosphate disodium salt is a glycogen phosphorylase b activator and an inhibitor of adenylate kinase b.
Targets(IC50)	Others,AChR,Phosphorylase
In vitro	N6-Methyladenosine 5'-monophosphate disodium salt is an inhibitor of non-competitive rat adenylate kinase II. [1] N6-Methyladenosine 5'-monophosphate disodium salt is an activator of glycogen phosphorylase b (K _a =22 μM). [2]

Solubility Information

Solubility	H ₂ O: 20 mg/mL (49.36 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	2.4679 mL	12.3393 mL	24.6786 mL
5 mM	0.4936 mL	2.4679 mL	4.9357 mL
10 mM	0.2468 mL	1.2339 mL	2.4679 mL
50 mM	0.0494 mL	0.2468 mL	0.4936 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

Hai TT, et al. Species- or isozyme-specific enzyme inhibitors. 9. Selective effects in inhibitions of rat pyruvate kinase isozymes by adenosine 5'-diphosphate derivatives. J Med Chem. 1982 Oct;25(10):1184-8.

Groner Y, et al. 5'-Capping structures of Artemia salina mRNA and the translational inhibition by cap analogs. Eur J Biochem. 1976 Dec;71(1):281-93.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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