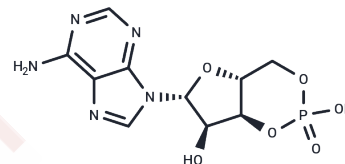


Cyclic AMP

Chemical Properties

CAS No. :	60-92-4
Formula:	C ₁₀ H ₁₂ N ₅ O ₆ P
Molecular Weight:	329.21
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	Cyclic AMP (cAMP) (Adenosine 3',5'-cyclophosphate) combined with vitamin C treatment of children with viral myocarditis has exact curative effect, and it can improve cardiac function of patients and improve immune function.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: 1.65 mg/mL (5.01 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	3.0376 mL	15.1879 mL	30.3757 mL
5 mM	0.6075 mL	3.0376 mL	6.0751 mL
10 mM	0.3038 mL	1.5188 mL	3.0376 mL
50 mM	0.0608 mL	0.3038 mL	0.6075 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

Yongjian W , Peng G . Clinical observation on effect of Puerarin combined with meglumine adenosine cyclophosphate in treatment of refractory heart failure[J]. Chinese Journal of Integrated Traditional & Western Medicine in Intertire Critical Care, 2003, 39(14):3263-3279.

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