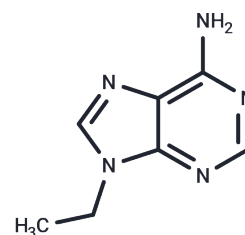


9-Ethyladenine

Chemical Properties

CAS No. :	2715-68-6
Formula:	C7H9N5
Molecular Weight:	163.18
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	9-Ethyladenine (6-Amino-9-ethylpurine) is a partially potent APRT (adenine phosphoribosyltransferase) inhibitor [1].
Targets(IC50)	Endogenous Metabolite,AChR,Adenosine Receptor

Solubility Information

Solubility	DMSO: 18.33 mg/mL (112.33 mM),Sonication is recommended. H2O: 100 mg/mL (612.82 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: 2.5 mg/mL (15.32 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	6.1282 mL	30.641 mL	61.282 mL
5 mM	1.2256 mL	6.1282 mL	12.2564 mL
10 mM	0.6128 mL	3.0641 mL	6.1282 mL
50 mM	0.1226 mL	0.6128 mL	1.2256 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

Edamura K, et al. No self-injurious behavior was found in HPRT-deficient mice treated with 9-ethyladenine. Pharmacol Biochem Behav. 1998 Oct;61(2):175-9.

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