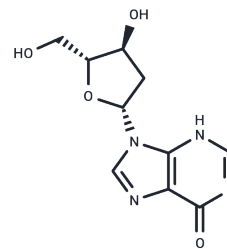


2'-Deoxyinosine

Chemical Properties

CAS No. :	890-38-0
Formula:	C ₁₀ H ₁₂ N ₄ O ₄
Molecular Weight:	252.23
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	2'-Deoxyinosine (Guanine deoxyriboside) inhibits the growth of human colon-carcinoma cell lines and is associated with purine nucleoside phosphorylase (PNP) deficiency.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: Limited solubility, DMSO: 6.25 mg/mL (24.78 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: 1 mg/mL (3.96 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	3.9646 mL	19.8232 mL	39.6464 mL
5 mM	0.7929 mL	3.9646 mL	7.9293 mL
10 mM	0.3965 mL	1.9823 mL	3.9646 mL
50 mM	0.0793 mL	0.3965 mL	0.7929 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

Baumann T, et al. BMC Biotechnol. 2013 Oct 4;13:81.

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