

9-Deazaguanine

Chemical Properties

CAS No. : 65996-58-9

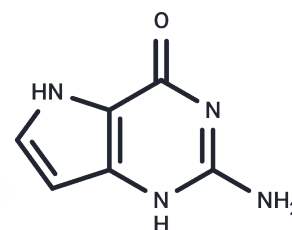
Formula: C₆H₆N₄O

Molecular Weight: 150.14

Keep away from direct sunlight

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-Deazaguanine is a nucleoside analogue exhibiting inhibitory activity against bovine purine nucleoside phosphorylase (PNP).
Targets(IC50)	Nucleoside Antimetabolite/Analog,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 2.5 mg/mL (16.65 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	6.6605 mL	33.3023 mL	66.6045 mL
5 mM	1.3321 mL	6.6605 mL	13.3209 mL
10 mM	0.666 mL	3.3302 mL	6.6605 mL
50 mM	0.1332 mL	0.666 mL	1.3321 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

Beata Wielgus-Kutrowska, et al. Trimeric purine nucleoside phosphorylase: exploring postulated one-third-of-the-sites binding in the transition state. *Bioorg Med Chem.* 2012 Nov 15;20(22):6758-69.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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