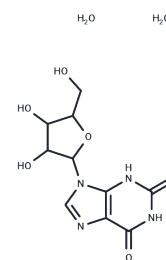


Xanthosine dihydrate

Chemical Properties

CAS No. :	5968-90-1
Formula:	C10H16N4O8
Molecular Weight:	320.26
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	Xanthosine is produced by guanine-free mutants of bacteria e.g. Bacillus subtilis, Aerobacter aerogenes. Xanthosine monophosphate is an intermediate in purine metabolism, formed from IMP, and forming GMP.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 60 mg/mL (187.35 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	3.1225 mL	15.6123 mL	31.2246 mL
5 mM	0.6245 mL	3.1225 mL	6.2449 mL
10 mM	0.3122 mL	1.5612 mL	3.1225 mL
50 mM	0.0624 mL	0.3122 mL	0.6245 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.

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