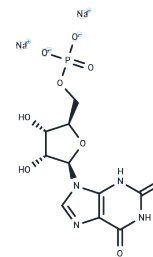


Xanthosine 5'-monophosphate sodium salt

Chemical Properties

CAS No. :	25899-70-1
Formula:	C ₁₀ H ₁₁ N ₄ Na ₂ O ₉ P
Molecular Weight:	408.17
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 5'-monophosphate sodium salt (L-XMP Sodium) serves as an intermediate in purine metabolism.
Targets(IC50)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 100 mg/mL (245 mM),Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.450 mL	12.2498 mL	24.4996 mL
5 mM	0.490 mL	2.450 mL	4.8999 mL
10 mM	0.245 mL	1.225 mL	2.450 mL
50 mM	0.049 mL	0.245 mL	0.490 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

Noguchi Y , Shimba N , Kawahara Y , et al. ³¹P NMR studies of energy metabolism in xanthosine-5'-monophosphate overproducing *Corynebacterium ammoniagenes* [J]. FEBS Journal, 2003, 270(12):2622-2626.

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