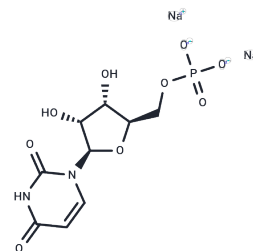


Uridine 5'-monophosphate disodium salt

Chemical Properties

CAS No. :	3387-36-8
Formula:	C ₉ H ₁₁ N ₂ Na ₂ O ₉ P
Molecular Weight:	368.14
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Uridine 5'-monophosphate disodium salt (Disodium UMP) has been used to study the effect of pyrimidine synthesis inhibitor, 5-azacytidine, on cholesterol and lipid metabolism. It has been used to study the effect of nucleotides on growth of specific intestinal bacteria.
Targets(IC50)	Apoptosis,Others,Endogenous Metabolite,Cholinesterase (ChE),Potassium Channel

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: 166.7 mg/mL (452.82 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	2.7164 mL	13.5818 mL	27.1636 mL
5 mM	0.5433 mL	2.7164 mL	5.4327 mL
10 mM	0.2716 mL	1.3582 mL	2.7164 mL
50 mM	0.0543 mL	0.2716 mL	0.5433 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

Hozumi Y, et al. Orotate phosphoribosyltransferase localizes to the Golgi complex and its expression levels affect the sensitivity to anti-cancer drug 5-fluorouracil. Biomed Res. 2015;36(6):403-9.

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