

Uridine-3'-monophosphate sodium

Chemical Properties

CAS No. : 35170-03-7

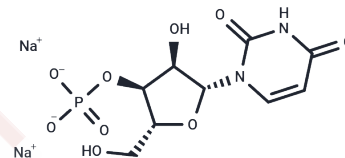
Formula: C₉H₁₁N₂Na₂O₉P

Molecular Weight: 368.15

Storage: Keep away from moisture, Keep away from direct sunlight

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	Uridine-3'-monophosphate sodium is a nucleotide compound and a key component constituting ribonucleic acid (RNA). Uridine-3'-monophosphate sodium can be further metabolized and converted into uracil in rat jejunal tissue.
Targets(IC50)	Endogenous Metabolite,DNA/RNA Synthesis

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (27.16 mM),Sonication is recommended. H ₂ O: 100 mg/mL (271.63 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	2.7163 mL	13.5814 mL	27.1628 mL
5 mM	0.5433 mL	2.7163 mL	5.4326 mL
10 mM	0.2716 mL	1.3581 mL	2.7163 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

Bronk JR, et al., The transport and metabolism of the uridine mononucleotides by rat jejunum in vitro. J Physiol. 1989 Jan;408:129-35.

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