

Uridine 5'-methylenediphosphate sodium

Chemical Properties

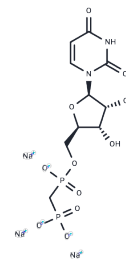
CAS No. :

Formula: C₁₀H₁₃N₂O₁₁P₂.3Na

Molecular Weight: 468.13

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	Uridine 5'-methylenediphosphate (UMP-CP), a hydrolytically stable derivative of UDP and agonist of the purinergic P2Y ₁₄ receptor, exhibits selective inhibition of cAMP production in cells expressing human P2Y ₁₄ compared to those expressing human P2Y ₆ , with EC ₅₀ values of 11 nM and 339 nM, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1362 mL	10.6808 mL	21.3616 mL
5 mM	0.4272 mL	2.1362 mL	4.2723 mL
10 mM	0.2136 mL	1.0681 mL	2.1362 mL
50 mM	0.0427 mL	0.2136 mL	0.4272 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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