

UDP- β -S sodium

Chemical Properties

CAS No. :

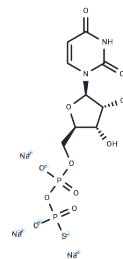
Formula: C₉H₁₁N₂O₁₁P₂S₃.3Na

Molecular Weight: 486.17

Keep away from moisture

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	UDP- β -S, serving as a specific agonist for the purinergic P ₂ Y ₆ receptor, effectively promotes inositol phosphate accumulation in 1321N1 cells containing P ₂ Y ₆ receptors, with an EC ₅₀ value of 28 nM. This selectivity is evident when compared to its effects on cells expressing P ₂ Y ₁ , P ₂ Y ₂ , or P ₂ Y ₄ receptors, where a concentration of 10 μ M is used. Additionally, at a concentration of 1 μ M, UDP- β -S stimulates DNA synthesis in isolated rat aorta smooth muscle cells.
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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	2.0569 mL	10.2845 mL	20.5689 mL
5 mM	0.4114 mL	2.0569 mL	4.1138 mL
10 mM	0.2057 mL	1.0284 mL	2.0569 mL
50 mM	0.0411 mL	0.2057 mL	0.4114 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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