

Sp-Uridine-5'-O-(1-thiotriphosphate) sodium

Chemical Properties

CAS No. :

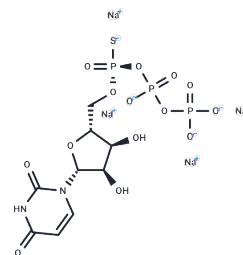
Formula: C₉H₁₁N₂O₁₄P₃S.4Na

Molecular Weight: 588.14

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	Sp-Uridine-5'-O-(1-thiotriphosphate) (Sp-UTP- α -S) acts as a nucleotide agonist for purinergic Y ₂ (P ₂ Y ₂) and P ₂ Y ₄ receptors, efficiently inducing inositol phosphate accumulation in 1321N1 astrocytoma cells that express these receptors, with half-maximal effective concentrations (EC ₅₀ s) of 14 μ M and 81 μ M, respectively.
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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	1.7003 mL	8.5014 mL	17.0028 mL
5 mM	0.3401 mL	1.7003 mL	3.4006 mL
10 mM	0.170 mL	0.8501 mL	1.7003 mL
50 mM	0.034 mL	0.170 mL	0.3401 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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