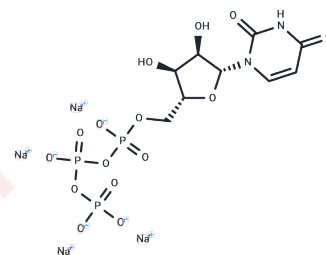


Uridine 5'-triphosphate tetrasodium

Chemical Properties

CAS No. : 14264-46-1
 Formula: C₉H₁₁N₂Na₄O₁₅P₃
 Molecular Weight: 572.07
 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 triphosphate (UTP) is a purine nucleotide P2U receptor agonist with potential use in lung cancer treatment. By activating P2Y2 receptors, it enhances the proliferation of human cancerous ductal epithelial cells. Additionally, UTP induces fibrotic responses in cardiac fibroblasts through P2Y2 receptor activation and prolongs the action potential duration of guinea pig papillary muscles via the P2Y2 purinergic receptor.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.748 mL	8.7402 mL	17.4804 mL
5 mM	0.3496 mL	1.748 mL	3.4961 mL
10 mM	0.1748 mL	0.874 mL	1.748 mL
50 mM	0.035 mL	0.1748 mL	0.3496 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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