

Cytidine-5'-O-(2-thiodiphosphate) sodium

Chemical Properties

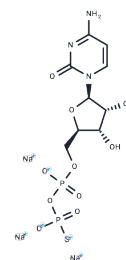
CAS No. :

Formula: C₉H₁₂N₃O₁₀P₂S.3Na

Molecular Weight: 485.19

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	Cytidine-5'-O-(2-thiodiphosphate) (CDP-β-S), a non-hydrolyzable derivative of CDP exhibiting antioxidant activity, effectively scavenges free radicals as evidenced by its performance in the Trolox equivalent absorbance capacity (TEAC) assay at concentrations between 5 and 20 μM.
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	2.061 mL	10.3052 mL	20.6105 mL
5 mM	0.4122 mL	2.061 mL	4.1221 mL
10 mM	0.2061 mL	1.0305 mL	2.061 mL
50 mM	0.0412 mL	0.2061 mL	0.4122 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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