

Cytidine-5'-triphosphate

Chemical Properties

CAS No. : 65-47-4

Formula: C₉H₁₆N₃O₁₄P₃

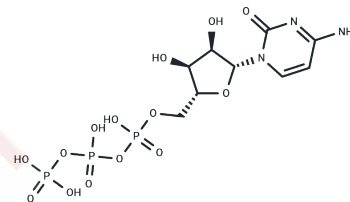
Molecular Weight: 483.16

Storage:

Store at low temperature, Keep away from moisture,
Store under nitrogen

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'-triphosphate (Cytidine triphosphate) is a compound widely found in living organisms that serves as an energy substance, as a building block for nucleotide and nucleic acid and lipid biosynthesis, and activates protein kinase reactions.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Others, Endogenous Metabolite, DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 60 mg/mL (124.18 mM), Sonication is recommended. DMSO: 60 mg/mL (124.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0697 mL	10.3485 mL	20.6971 mL
5 mM	0.4139 mL	2.0697 mL	4.1394 mL
10 mM	0.207 mL	1.0349 mL	2.0697 mL
50 mM	0.0414 mL	0.207 mL	0.4139 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.

Reference

Narvaez-Ortiz HY, et al. A CTP Synthase Undergoing Stage-Specific Spatial Expression Is Essential for the Survival of the Intracellular Parasite Toxoplasma gondii. Front Cell Infect Microbiol. 2018 Mar 22;8:83.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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