

Cytidine-5'-triphosphate disodium

Chemical Properties

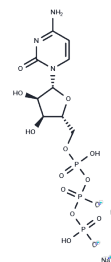
CAS No. : 36051-68-0

Formula: C₉H₁₄N₃Na₂O₁₄P₃

Molecular Weight: 527.12

Store under nitrogen, Keep away from direct sunlight,
Store at low temperatureStorage: Pure form: -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 disodium salt is one of the endogenous metabolites and is a cation-permeable ligand-gated ion channel agonist.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Endogenous Metabolite, DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 45 mg/mL (85.37 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	1.8971 mL	9.4855 mL	18.971 mL
5 mM	0.3794 mL	1.8971 mL	3.7942 mL
10 mM	0.1897 mL	0.9486 mL	1.8971 mL
50 mM	0.0379 mL	0.1897 mL	0.3794 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

Lagace TA, et al. The role of phospholipids in the biological activity and structure of the endoplasmic reticulum. *Biochim Biophys Acta*. 2013 Nov;1833(11):2499-510.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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