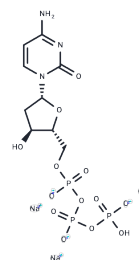


Deoxycytidine triphosphate trisodium salt

Chemical Properties

CAS No. :	109909-44-6
Formula:	C ₉ H ₁₃ N ₃ Na ₃ O ₁₃ P ₃
Molecular Weight:	533.1
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	Deoxycytidine triphosphate trisodium salt (2'-DEOXYCYTIDINE-5'-TRIPHOSPHATE TRISODI) contributes to antibiotic lethality in stationary-phase mycobacteria.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Endogenous Metabolite, Antibiotic, DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8758 mL	9.3791 mL	18.7582 mL
5 mM	0.3752 mL	1.8758 mL	3.7516 mL
10 mM	0.1876 mL	0.9379 mL	1.8758 mL
50 mM	0.0375 mL	0.1876 mL	0.3752 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

- Br J Clin Pharmacol. 2000 Dec;50(6):597-604. et al. The intracellular activation of lamivudine (3TC) and determination of 2'-deoxycytidine-5'-triphosphate (dCTP) pools in the presence and absence of various drugs in HepG2 cells. Kewn S, Hoggard PG, Sales SD
- Fan, Xiao-Yong, Tang, et al. Oxidation of dCTP contributes to antibiotic lethality in stationary-phase mycobacteria [J]. Proceedings of the National Academy of Sciences of the United States of America. 2018.

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