

Cytidine-5'-triphosphate-13C,D1 dilithium

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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'-triphosphate-13C,D1 dilithium is a deuterated and 13C labeled form of Cytidine-5'-triphosphate. This triphosphate nucleotide, known as Cytidine 5'-triphosphate (Cytidine triphosphate; 5'-CTP), serves as a building block for the synthesis of nucleotides, nucleic acids, and lipids. Cytidine 5'-triphosphate synthase catalyzes the conversion of UTP to 5'-CTP. It is also an essential biomolecule for T. gondii in its de novo pyrimidine biosynthesis pathway.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Endogenous Metabolite,DNA/RNA Synthesis

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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