

Cyclopentenyl cytosine triphosphoric

Chemical Properties

CAS No. :	135727-54-7
Formula:	C10H15N2O14P3
Molecular Weight:	480.15
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	Cyclopentenyl cytosine triphosphoric is an active intracellular metabolite of the antineoplastic nucleoside analogue cyclopentenyl cytosine (CPEC). It inhibits CTP synthase and depletes the cytidine nucleotide pool. Cyclopentenyl cytosine triphosphoric is used in cancer research, including studies on leukemia.
Targets(IC50)	DNA/RNA Synthesis, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0827 mL	10.4134 mL	20.8268 mL
5 mM	0.4165 mL	2.0827 mL	4.1654 mL
10 mM	0.2083 mL	1.0413 mL	2.0827 mL
50 mM	0.0417 mL	0.2083 mL	0.4165 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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