

Clofarabine-5'-diphosphate trisodium

Chemical Properties

CAS No. :

Formula: C₁₀H₁₀ClFN₅Na₃O₉P₂

Molecular Weight: 529.58

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	Clofarabine-5'-diphosphatetrisodium (Clofarabine-DP trisodium) is the sodium salt form of Clofarabine-5'-diphosphate. As a metabolic product of Clofarabine, it results from phosphorylation by deoxycytidine kinase (dCK). Clofarabine-5'-diphosphate trisodium can undergo further phosphorylation to form Clofarabine-5'-triphosphate, demonstrating cytotoxicity in cancer cells by inhibiting DNA synthesis and repair.
Targets(IC50)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8883 mL	9.4414 mL	18.8829 mL
5 mM	0.3777 mL	1.8883 mL	3.7766 mL
10 mM	0.1888 mL	0.9441 mL	1.8883 mL
50 mM	0.0378 mL	0.1888 mL	0.3777 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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