

Cidofovir diphosphate tri(triethylamine)

Chemical Properties

CAS No. :

Formula: C₂₆H₆₁N₆O₁₂P₃

Molecular Weight: 742.72

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	Cidofovir diphosphate triethylamine, an active intracellular metabolite of Cidofovir, acts as a selective inhibitor of viral DNA polymerases. It exhibits inhibitory constants (K_i) of 6.6 μ M for human cytomegalovirus (HCMV) DNA polymerase, 0.86 μ M for herpes simplex virus-1 (HSV-1) DNA polymerase, and 1.4 μ M for herpes simplex virus-2 (HSV-2) DNA polymerase, demonstrating its efficacy against these viral enzymes [1] [2].
Targets(IC50)	Others,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3464 mL	6.732 mL	13.464 mL
5 mM	0.2693 mL	1.3464 mL	2.6928 mL
10 mM	0.1346 mL	0.6732 mL	1.3464 mL
50 mM	0.0269 mL	0.1346 mL	0.2693 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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