

Tenofovir diphosphate TEA

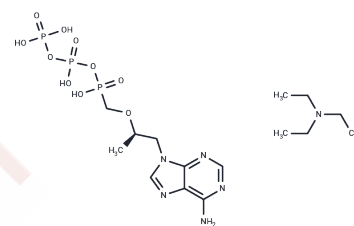
Chemical Properties

CAS No. : 2122333-63-3

Formula: C₉H₁₆N₅O₁₀P₃.C₆H₁₅N

Molecular Weight: 548.36

Storage: Store at low temperature, Keep away from direct sunlight
 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	Tenofovir diphosphate TEA (TFV-DP TEA) is the triethylamine salt of TFV-DP, an ATP-competitive DNA polymerase inhibitor that inhibits HIV-1 reverse transcriptase. It has anti-HIV/HBV potential through its incorporation into the viral DNA strand to terminate viral DNA synthesis and thus inhibit viral genome replication.
Targets(IC50)	HIV Protease, DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8236 mL	9.1181 mL	18.2362 mL
5 mM	0.3647 mL	1.8236 mL	3.6472 mL
10 mM	0.1824 mL	0.9118 mL	1.8236 mL
50 mM	0.0365 mL	0.1824 mL	0.3647 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

Birkus G, et al. Tenofovir diphosphate is a poor substrate and a weak inhibitor of rat DNA polymerases alpha, delta, and epsilon*. Antimicrob Agents Chemother. 2002 May;46(5):1610-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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