

3'-Fluorothymidine-5'-triphosphate tetrasodium

Chemical Properties

CAS No. :	1443116-39-9
Formula:	C10H12FN2Na4O13P3
Molecular Weight:	572.09
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	3'-Fluorothymidine-5'-triphosphate tetrasodium (3'-FdTTP tetrasodium) is an analogue of dTTP. It acts as a competitive inhibitor of T4 DNA polymerase (DNA polymerases) and inhibits DNA synthesis (DNA synthesis) in T4 wild-type, L98, and CB121 DNA polymerases.
Targets(IC50)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.748 mL	8.7399 mL	17.4798 mL
5 mM	0.3496 mL	1.748 mL	3.496 mL
10 mM	0.1748 mL	0.874 mL	1.748 mL
50 mM	0.035 mL	0.1748 mL	0.3496 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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