

Rp-Thymidine-5'-O-(1-thiotriphosphate) sodium

Chemical Properties

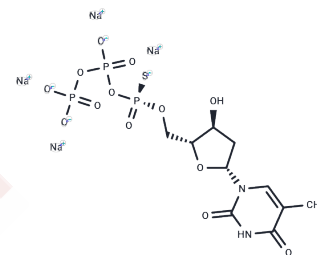
CAS No. :

Formula: C₁₀H₁₃N₂O₁₃P₃S₄Na

Molecular Weight: 586.16

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	Rp-Thymidine-5'-O-(1-thiotriphosphate) (Rp-TTP- α -S), an isomer of the sulfur-containing nucleotide derivative TTP- α -S, selectively interacts with HIV-1 reverse transcriptase, exhibiting dissociation constants (Kds) of 45.7, 27.32, and 39.44 μ M in the presence of magnesium, manganate, and cobalt, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.706 mL	8.5301 mL	17.0602 mL
5 mM	0.3412 mL	1.706 mL	3.412 mL
10 mM	0.1706 mL	0.853 mL	1.706 mL
50 mM	0.0341 mL	0.1706 mL	0.3412 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481