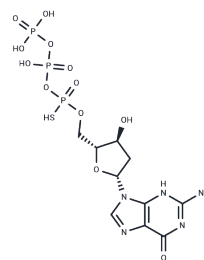


Rp-dGTP α S

Chemical Properties

CAS No. :	80902-29-0
Formula:	C ₁₀ H ₁₆ N ₅ O ₁₂ P ₃ S
Molecular Weight:	523.25
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-dGTP α S, an enantiomer of the dNTP α S nucleotide, serves as the substrate for SAMHD1, a critical regulator of cellular dNTP levels that curtails the replication of viruses (HIV-1, etc.) in CD4+ myeloid lineage and resting T cells. The SAMHD1 tetrameric complex facilitates the hydrolysis of Rp-dGTP α S into 2'-deoxynucleosides and triphosphates [1].
Targets(IC50)	Others,HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9111 mL	9.5557 mL	19.1113 mL
5 mM	0.3822 mL	1.9111 mL	3.8223 mL
10 mM	0.1911 mL	0.9556 mL	1.9111 mL
50 mM	0.0382 mL	0.1911 mL	0.3822 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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