

Sp-2'-Deoxyguanosine-5'-O-(1-thiotriphosphate) sodium

Chemical Properties

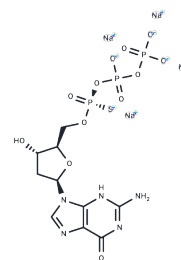
CAS No. :

Formula: C10H12N5O12P3S.4Na

Molecular Weight: 611.18

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	Sp-2'-Deoxyguanosine-5'-O-(1-thiotriphosphate), a sulfur-containing isomer of 2'-deoxyguanosine-5'-O-triphosphate (dGTP), functions as an inhibitor of the deoxynucleoside triphosphate triphosphohydrolase SAMHD1, with an inhibitory constant (Ki) of 820 nM.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6362 mL	8.1809 mL	16.3618 mL
5 mM	0.3272 mL	1.6362 mL	3.2724 mL
10 mM	0.1636 mL	0.8181 mL	1.6362 mL
50 mM	0.0327 mL	0.1636 mL	0.3272 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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