

Isoguanosine-5'-O-triphosphate sodium

Chemical Properties

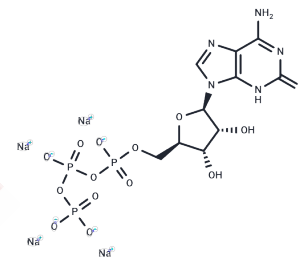
CAS No. :

Formula: C₁₀H₁₂N₅O₁₄P₃.4Na

Molecular Weight: 611.11

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	Isoguanosine-5'-O-triphosphate, an isomer of guanosine 5'-triphosphate (GTP) and a phosphorylated derivative of crotonoside, does not promote microtubule assembly like GTP. At a concentration of 2 mM, it hampers transcription and triggers T to C mutations in reverse transcriptase assays. This compound aids in assessing the substrate specificity of both phosphofructokinase and mutT homolog 1 (MTH1).
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	1.6364 mL	8.1818 mL	16.3637 mL
5 mM	0.3273 mL	1.6364 mL	3.2727 mL
10 mM	0.1636 mL	0.8182 mL	1.6364 mL
50 mM	0.0327 mL	0.1636 mL	0.3273 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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