

2'-O-Methylguanosine-5'-O-triphosphate sodium

Chemical Properties

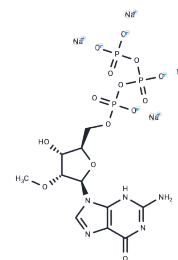
CAS No. :

Formula: C11H14N5O14P3.4Na

Molecular Weight: 625.13

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	2'-O-Methylguanosine-5'-O-triphosphate (2'-methyl GTP) acts as an inhibitor targeting the hepatitis C virus (HCV) non-structural protein 5B (NS5B; with an IC50 of 3.5 μ M), and serves as an active metabolite of the prodrug IDX184 through a 2'-methylguanosine intermediate transformation. Additionally, at a concentration of 50 μ M, it promotes tubulin polymerization. Notably, levels of 2'-methyl GTP are reduced in the tumoral tissues of patients with hepatocellular carcinoma in comparison to the adjacent normal tissues.
Targets(IC50)	Nucleoside Antimetabolite/Analog,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	1.5997 mL	7.9983 mL	15.9967 mL
5 mM	0.3199 mL	1.5997 mL	3.1993 mL
10 mM	0.160 mL	0.7998 mL	1.5997 mL
50 mM	0.032 mL	0.160 mL	0.3199 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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