

8-Bromoguanosine-5'-O-triphosphate sodium

Chemical Properties

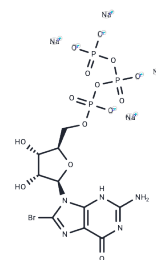
CAS No. :

Formula: C10H11BrN5O14P3.4Na

Molecular Weight: 690.00

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	8-Bromoguanosine-5'-O-triphosphate, a derivative of guanosine 5'-triphosphate (GTP) - the energy substrate for protein synthesis and gluconeogenesis, acts as an inhibitor of the E. coli GTPase FtsZ with an inhibition constant (Ki) of 31.8 μ M. Furthermore, at a concentration of 500 μ M, it facilitates the assembly of porcine brain microtubules in a cell-free assay.
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	1.4493 mL	7.2464 mL	14.4928 mL
5 mM	0.2899 mL	1.4493 mL	2.8986 mL
10 mM	0.1449 mL	0.7246 mL	1.4493 mL
50 mM	0.029 mL	0.1449 mL	0.2899 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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