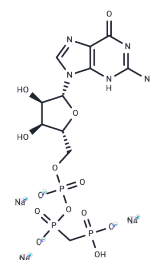


## 5'-Guanylyl methylenediphosphonate sodium

## Chemical Properties

CAS No. :	10470-57-2
Formula:	C <sub>11</sub> H <sub>15</sub> N <sub>5</sub> Na <sub>3</sub> O <sub>13</sub> P <sub>3</sub>
Molecular Weight:	587.15
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	5'-Guanylyl methylenediphosphonate (sodium) serves as a GTP analogue and acts as a specific, competitive inhibitor of the GTP reaction in protein synthesis [1].
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7031 mL	8.5157 mL	17.0314 mL
5 mM	0.3406 mL	1.7031 mL	3.4063 mL
10 mM	0.1703 mL	0.8516 mL	1.7031 mL
50 mM	0.0341 mL	0.1703 mL	0.3406 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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