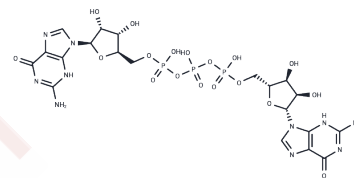


Diguanosine 5'-triphosphate

Chemical Properties

CAS No. :	6674-45-9
Formula:	C ₂₀ H ₂₇ N ₁₀ O ₁₈ P ₃
Molecular Weight:	788.409
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	Diguanosine 5'-triphosphate (Gp3G), a homodinucleotide produced by GTP:GTP guanylyltransferase, is a virus-specific oligonucleotide that can prime reovirus transcription and inhibit RNA methylation.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2684 mL	6.3419 mL	12.6838 mL
5 mM	0.2537 mL	1.2684 mL	2.5368 mL
10 mM	0.1268 mL	0.6342 mL	1.2684 mL
50 mM	0.0254 mL	0.1268 mL	0.2537 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.

Reference

- J J Liu, et al. Purification and properties of GTP:GTP guanylyltransferase from encysted embryos of the brine shrimp *Artemia*. *J Biol Chem*
 M Yamakawa, et al. Priming of reovirus transcription by GppppG and formation of CpG(5')GpC. *Proc Natl Acad Sci U S A*. 1982 Oct;79(20):6142-6.

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