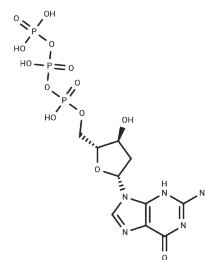


dGTP

Chemical Properties

CAS No. :	2564-35-4
Formula:	C10H16N5O13P3
Molecular Weight:	507.18
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	dGTP (2'-Deoxyguanosine-5'-triphosphate) is a guanosine nucleotide highly susceptible to oxidative damage, resulting in 8-O-GDP, 8-O-dGTP, 8-O-GTP, and 8-O-dGTP.
Targets(IC50)	Nucleoside Antimetabolite/Analog, DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9717 mL	9.8584 mL	19.7169 mL
5 mM	0.3943 mL	1.9717 mL	3.9434 mL
10 mM	0.1972 mL	0.9858 mL	1.9717 mL
50 mM	0.0394 mL	0.1972 mL	0.3943 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

Kapoor I, et al. Nucleoside Diphosphate Kinase Escalates A-to-C Mutations in MutT-Deficient Strains of Escherichia coli. J Bacteriol. 2019;202(1):e00567-19. Published 2019 Dec 6.

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