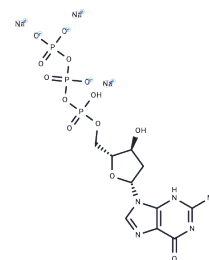


## Deoxyguanosine triphosphate trisodium salt

## Chemical Properties

CAS No. :	93919-41-6
Formula:	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> Na <sub>3</sub> O <sub>13</sub> P <sub>3</sub>
Molecular Weight:	573.13
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	Deoxyguanosine triphosphate trisodium salt (2'-Deoxyguanosine-5'-triphosphate trisodium salt) is a nucleotide precursor for DNA synthesis in cells and can be used in the reverse transcription-polymerase chain reaction (RT-PCR) for DNA amplification.
Targets(IC50)	Nucleoside Antimetabolite/Analog,DNA/RNA Synthesis

## Solubility Information

Solubility	H <sub>2</sub> O: 57.31 mg/mL (99.99 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble or 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	1.7448 mL	8.724 mL	17.448 mL
5 mM	0.349 mL	1.7448 mL	3.4896 mL
10 mM	0.1745 mL	0.8724 mL	1.7448 mL
50 mM	0.0349 mL	0.1745 mL	0.349 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

Gatti M, et al. The Ubiquitin Ligase TRIP12 Limits PARP1 Trapping and Constrains PARP Inhibitor Efficiency. Cell Rep. 2020 Aug 4;32(5):107985.

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