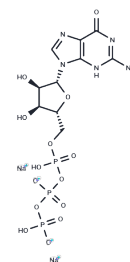


## Guanosine-5'-triphosphate disodium salt

## Chemical Properties

CAS No. :	56001-37-7
Formula:	C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>14</sub> P <sub>3</sub>
Molecular Weight:	567.14
Storage:	Store at low temperature, Store under nitrogen Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Guanosine-5'-triphosphate disodium salt (5'-GTP disodium salt) is an enhancer of myogenic cell differentiation and serves as an energy source for translation and other critical cellular processes.
Targets(IC50)	Endogenous Metabolite, MicroRNA

## Solubility Information

Solubility	H <sub>2</sub> O: 60 mg/mL (105.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7632 mL	8.8162 mL	17.6323 mL
5 mM	0.3526 mL	1.7632 mL	3.5265 mL
10 mM	0.1763 mL	0.8816 mL	1.7632 mL
50 mM	0.0353 mL	0.1763 mL	0.3526 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

- Pietrangelo T, et al. Extracellular Guanosine 5'-Triphosphate Induces Human Muscle Satellite Cells to Release Exosomes Stuffed With Guanosine. *Front Pharmacol.* 2018 Mar 16;9:152.
- Hu C, et al. A DNAzyme-based label-free fluorescent probe for guanosine-5'-triphosphate detection. *Analyst.* 2020 Oct 26;145(21):6948-6954.

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