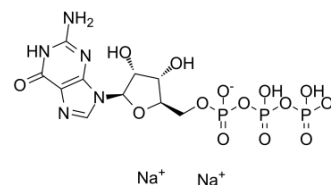


## Guanosine-5'-triphosphate disodium salt

<b>Cat. No.:</b>	HY-W010737
<b>CAS No.:</b>	56001-37-7
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>14</sub> P <sub>3</sub>
<b>Molecular Weight:</b>	567.14
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (220.40 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Guanosine-5'-triphosphate disodium salt (5'-GTP trisodium salt) is an activator of the signal transducing G proteins and also serves as an energy-rich precursor of mononucleotide units in the enzymatic biosynthesis of DNA and RNA<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Bioorgan Med Chem. 2020, 115899.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Guanosine triphosphate.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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