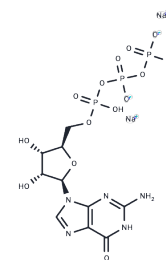


Guanosine-5'-triphosphate disodium salt

Chemical Properties

CAS No. :	56001-37-7
Formula:	C ₁₀ H ₁₄ N ₅ Na ₂ O ₁₄ P ₃
Molecular Weight:	567.14
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

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

Solubility Information

Solubility	H ₂ 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.

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.

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