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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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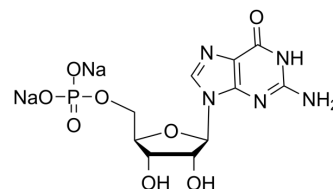
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5'-Guanylic acid disodium salt

Cat. No.:	HY-W010970
CAS No.:	5550-12-9
Molecular Formula:	C ₁₀ H ₁₂ N ₅ Na ₂ O ₈ P
Molecular Weight:	407.18
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (122.80 mM; Need ultrasonic)					
	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 80°C) (insoluble or slightly soluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.4559 mL	12.2796 mL	24.5592 mL
5 mM			0.4912 mL	2.4559 mL	4.9118 mL	
	10 mM		0.2456 mL	1.2280 mL	2.4559 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (122.80 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	5'-Guanylic acid disodium salt (5'-GMP disodium salt) is composed of guanine, ribose, and phosphate moieties and it is a nucleotide monomer in messenger RNA. Guanosine derivatives are involved in intracellular signal transduction and have been identified in repetitive genomic sequences in telomeres, in ribosomal DNA, immunoglobulin heavy chain switch regions, and in the control regions of proto-oncogenes ^[1] .	
IC₅₀ & Target	Human Endogenous Metabolite	Human Endogenous Metabolite

REFERENCES

[1]. Lan T, et al. Type II cGMP-dependent protein kinase phosphorylates EGFR at threonine 669 and thereby inhibits its activation. Biochem Biophys Res Commun. 2019 Aug

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

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