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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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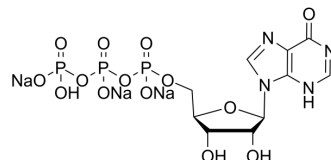
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Inosine-5'-triphosphate trisodium salt

Cat. No.:	HY-W013706
CAS No.:	35908-31-7
Molecular Formula:	C ₁₀ H ₁₂ N ₄ Na ₃ O ₁₄ P ₃
Molecular Weight:	574.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°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

H₂O : 100 mg/mL (174.18 mM; Need ultrasonic)
DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		1.7418 mL	8.7091 mL	17.4183 mL
	5 mM		0.3484 mL	1.7418 mL	3.4837 mL
	10 mM		0.1742 mL	0.8709 mL	1.7418 mL

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

BIOLOGICAL ACTIVITY

Description

Inosine-5'-triphosphate trisodium salt is a nucleoside triphosphate and functions as an substrate for ATPases and GTPases [1][2][3][4].

REFERENCES

- [1]. Hanson RL, et al. Energy-transducing adenosine triphosphatase from Escherichia coli: purification, properties, and inhibition by antibody. J Bacteriol. 1973 May;114(2):772-81.
- [2]. Pieper U, et al. The GTP-binding domain of McrB: more than just a variation on a common theme? J Mol Biol. 1999 Sep 24;292(3):547-56.
- [3]. Klinker JF, et al. Functionally nonequivalent interactions of guanosine 5'-triphosphate, inosine 5'-triphosphate, and xanthosine 5'-triphosphate with the retinal G-protein, transducin, and with Gi-proteins in HL-60 leukemia cell membranes. Biochem Pharmacol. 1997 Sep 1;54(5):551-62.
- [4]. Luodka BA, et al. te specificity of T4 RNA-ligase: the role of a purine nucleotide base in forming a covalent AMP-RNA-ligase complex. Biokhimiia. 1993 Jun;58(6):857-65.

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

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