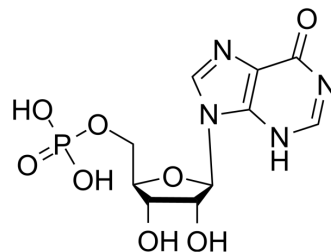


Inosinic acid

Cat. No.:	HY-108213	
CAS No.:	131-99-7	
Molecular Formula:	C ₁₀ H ₁₃ N ₄ O ₈ P	
Molecular Weight:	348.21	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 125 mg/mL (358.98 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass	1 mg	5 mg	10 mg
		Concentration			
		1 mM	2.8718 mL	14.3592 mL	28.7183 mL
		5 mM	0.5744 mL	2.8718 mL	5.7437 mL
	10 mM	0.2872 mL	1.4359 mL	2.8718 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 (143.59 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Inosinic acid is an endogenous metabolite. Inosinic acid is used as umami tastant and dietary supplement ^[1] .	
IC ₅₀ & Target	Human Endogenous Metabolite	Microbial Metabolite

CUSTOMER VALIDATION

- Talanta. 2023 Sep 6, 125171.
- Mol Ther Oncolytics. 28 August 2021.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Bonagurio LP, et al., Effects of different levels of inosine-5'-monophosphate (5'-IMP) supplementation on the growth performance and meat quality of finishing pigs (75 to 100 kg). Meat Sci. 2023 Feb;196:109016.

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

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