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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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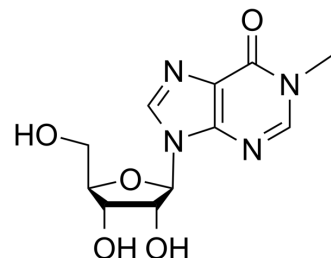
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1-Methylinosine

Cat. No.:	HY-113139
CAS No.:	2140-73-0
Molecular Formula:	C ₁₁ H ₁₄ N ₄ O ₅
Molecular Weight:	282.25
Target:	Nucleoside Antimetabolite/Analog; Endogenous Metabolite
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 20.83 mg/mL (73.80 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.5430 mL	17.7148 mL	35.4296 mL
		5 mM		0.7086 mL	3.5430 mL	7.0859 mL
		10 mM		0.3543 mL	1.7715 mL	3.5430 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.37 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.37 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.08 mg/mL (7.37 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1-Methylinosine is a modified nucleotide found at position 37 in tRNA 3' to the anticodon of eukaryotic tRNA ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Talanta. 22 May 2023, 124697
 - bioRxiv. 2023 Feb 2.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 1-Methylinosine-Human Metabolome Database.

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

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