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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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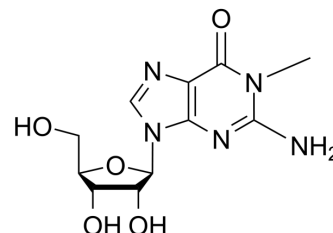
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1-Methylguanosine

Cat. No.:	HY-113136
CAS No.:	2140-65-0
Molecular Formula:	C ₁₁ H ₁₅ N ₅ O ₅
Molecular Weight:	297.27
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (420.49 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.3639 mL	16.8197 mL	33.6395 mL
		5 mM		0.6728 mL	3.3639 mL	6.7279 mL
		10 mM		0.3364 mL	1.6820 mL	3.3639 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 (7.00 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.00 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.00 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1-Methylguanosine is a methylated nucleoside originating from RNA degradation. 1-Methylguanosine is a tumour marker ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Nucleic Acids Res. 2024 Jan 16:gkae013.
 - Talanta. 22 May 2023, 124697

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Liebich HM, et al. Quantitation of urinary nucleosides by high-performance liquid chromatography. J Chromatogr A. 1997 Feb 28;763(1-2):193-7.

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

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