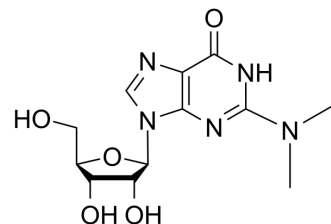


N2,N2-Dimethylguanosine

Cat. No.:	HY-113137
CAS No.:	2140-67-2
Molecular Formula:	C ₁₂ H ₁₇ N ₅ O ₅
Molecular Weight:	311.29
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 : 15 mg/mL (48.19 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2124 mL	16.0622 mL	32.1244 mL
		5 mM	0.6425 mL	3.2124 mL	6.4249 mL
		10 mM	0.3212 mL	1.6062 mL	3.2124 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.5 mg/mL (4.82 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.5 mg/mL (4.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	N2,N2-Dimethylguanosine is an urinary nucleoside, a primary degradation product of tRNA.
IC ₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Talanta. 22 May 2023, 124697
- STAR Protoc. 17 December 2021, 100848.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Zheng YF, et al. Urinary nucleosides as biological markers for patients with colorectal cancer. World J Gastroenterol. 2005 Jul 7;11(25):3871-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA