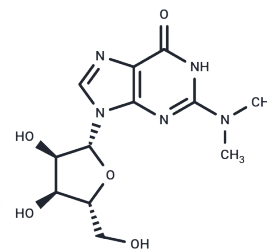


N2,N2-Dimethylguanosine

Chemical Properties

CAS No. :	2140-67-2
Formula:	C ₁₂ H ₁₇ N ₅ O ₅
Molecular Weight:	311.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	N2,N2-Dimethylguanosine, a urinary nucleoside, exhibits significantly higher mean levels in patients with colorectal cancer compared to those with intestinal villous adenoma or healthy adults.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 15 mg/mL (48.19 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0642 mL	0.3212 mL	0.6425 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yu-Fang Zheng, et al. Urinary Nucleosides as Biological Markers for Patients With Colorectal Cancer. World J Gastroenterol. 2005 Jul; 11 (25), 3871-6

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