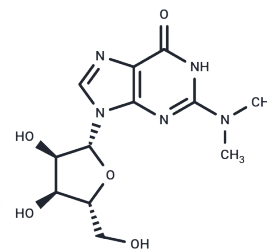


## N2,N2-Dimethylguanosine

## Chemical Properties

CAS No. :	2140-67-2
Formula:	C <sub>12</sub> H <sub>17</sub> N <sub>5</sub> O <sub>5</sub>
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: 20.71 mg/mL (66.53 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: $< 2.07$ mg/mL (6.65 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.07 mg/mL (6.65 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## 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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481