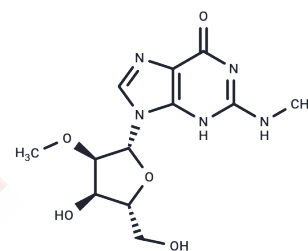


## 2'-O-Methyl-N2-methylguanosine

## Chemical Properties

CAS No. :	135023-21-1
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	2'-O-Methyl-N2-methylguanosine is a chemically modified nucleoside analogue featuring both a 2'-O-methylation and an N2-methylation on the guanosine base, which can be used as a molecular activator for enzymatic DNA synthesis reactions in vitro. The enhanced physiological stability of 2'-O-Methyl-N2-methylguanosine against nuclease degradation makes it a particularly attractive and for various biochemical and biotechnological applications.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

## 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

Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

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