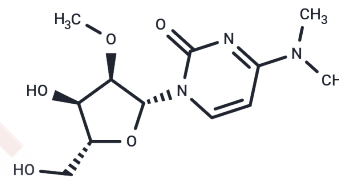


## N,N-Dimethyl-2'-O-methylcytidine

## Chemical Properties

CAS No. :	34218-81-0
Formula:	C <sub>12</sub> H <sub>19</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	285.3
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	N,N-Dimethyl-2'-O-methylcytidine (N <sub>4</sub> ,N <sub>4</sub> ,2'-O-Trimethylcytidine) is a purine nucleoside analog with anticancer activity. It selectively inhibits DNA synthesis in cells, thereby suppressing cell growth.
Targets(IC50)	Nucleoside Antimetabolite/Analog

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5051 mL	17.5254 mL	35.0508 mL
5 mM	0.701 mL	3.5051 mL	7.0102 mL
10 mM	0.3505 mL	1.7525 mL	3.5051 mL
50 mM	0.0701 mL	0.3505 mL	0.701 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481