

## 3'-O-Methyl guanosine

## Chemical Properties

CAS No. :	10300-27-3
Formula:	C <sub>11</sub> H <sub>15</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	297.267
Storage:	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	Nucleoside Derivatives -3'-Modified nucleoside
Targets(IC50)	Nucleoside Antimetabolite/Analog,Endogenous Metabolite,Virus Protease

## Solubility Information

Solubility	DMSO: 22.50 mg/mL (75.69 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3639 mL	16.8197 mL	33.6395 mL
5 mM	0.6728 mL	3.3639 mL	6.7279 mL
10 mM	0.3364 mL	1.682 mL	3.3639 mL
50 mM	0.0673 mL	0.3364 mL	0.6728 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

B B Goswami, et al. Inhibition of vaccinia virus growth and virus-specific RNA synthesis by 3'-O-methyl adenosine and 3'-O-methyl guanosine. J Virol. 1983 Mar;45(3):1164-7.

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