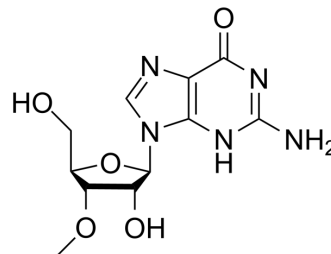


3'-O-Methylguanosine

Cat. No.:	HY-W091784
CAS No.:	10300-27-3
Molecular Formula:	C ₁₁ H ₁₅ N ₅ O ₅
Molecular Weight:	297
Target:	Endogenous Metabolite; Orthopoxvirus; Nucleoside Antimetabolite/Analog
Pathway:	Metabolic Enzyme/Protease; Anti-infection; Cell Cycle/DNA Damage
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (84.18 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.3670 mL	16.8350 mL	33.6700 mL	
5 mM	0.6734 mL	3.3670 mL	6.7340 mL	
10 mM	0.3367 mL	1.6835 mL	3.3670 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

3'-O-Methylguanosine is a methylated nucleoside analogs and a RNA chain terminator. 3'-O-methylguanosine can inhibit early virus-specific RNA synthesis^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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