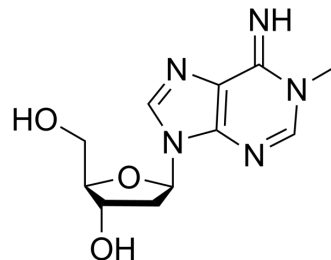


N1-Methyl-2'-deoxyadenosine

Cat. No.:	HY-154578		
Molecular Formula:	C ₁₁ H ₁₅ N ₅ O ₃		
Molecular Weight:	265.27		
Target:	Nucleoside Antimetabolite/Analog		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (188.49 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.7697 mL	18.8487 mL	37.6974 mL	
5 mM	0.7539 mL	3.7697 mL	7.5395 mL	
10 mM	0.3770 mL	1.8849 mL	3.7697 mL	

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

BIOLOGICAL ACTIVITY

Description

N1-Methyl-2'-deoxyadenosine, DNA adduct is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc^[1].

REFERENCES

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

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

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