N1-Methyl-2'-deoxyadenosine

Cat. No.: HY-154578

CAS No.: 60192-55-4

Molecular Formula: $C_{11}H_{15}N_5O_3$

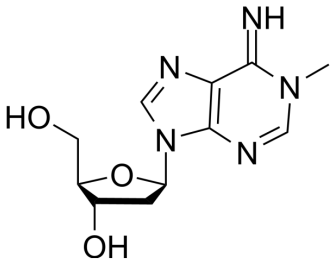
Molecular Weight: 265.27

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

H_2O : 50 mg/mL (188.49 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration \ Solvent \ 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.

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