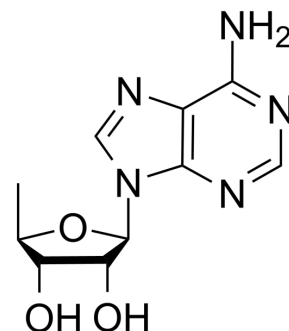


5'-Deoxyadenosine

Cat. No.:	HY-113291		
CAS No.:	4754-39-6		
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₃		
Molecular Weight:	251.24		
Target:	Endogenous Metabolite; Orthopoxvirus		
Pathway:	Metabolic Enzyme/Protease; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (497.53 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9803 mL	19.9013 mL	39.8026 mL
	5 mM	0.7961 mL	3.9803 mL	7.9605 mL
	10 mM	0.3980 mL	1.9901 mL	3.9803 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (8.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (8.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (8.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5'-Deoxyadenosine is an oxidized nucleoside found in the urine of normal subjects. 5'-Deoxyadenosine shows anti-orthopoxvirus activity^[1].

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

-
- Front Cardiovasc Med. 2022 Nov 16;9:1042852.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Smee DF, et al. A review of compounds exhibiting anti-orthopoxvirus activity in animal models. Antiviral Res. 2003 Jan;57(1-2):41-52.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA