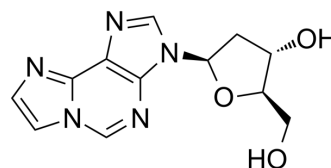


N6-Etheno 2'-deoxyadenosine

Cat. No.:	HY-111646
CAS No.:	68498-25-9
Molecular Formula:	C ₁₂ H ₁₃ N ₅ O ₃
Molecular Weight:	275.26
Target:	Nucleoside Antimetabolite/Analog; Endogenous Metabolite
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (36.33 mM; ultrasonic and warming and heat to 60°C)
H₂O : 7.14 mg/mL (25.94 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.6329 mL	18.1646 mL	36.3293 mL
	5 mM	0.7266 mL	3.6329 mL	7.2659 mL
	10 mM	0.3633 mL	1.8165 mL	3.6329 mL

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

BIOLOGICAL ACTIVITY

Description

N6-Etheno 2'-deoxyadenosine is a reactive oxygen species (ROS)/reactive nitrogen species (RNS)-induced DNA oxidation product, used as a biomarker to evaluate chronic inflammation and lipid peroxidation in animal or human tissues^[1].

REFERENCES

[1]. Gao L, et al. DNA Product Formation in Female Sprague-Dawley Rats Following Polyhalogenated Aromatic Hydrocarbon (PHAH) Exposure. Chem Res Toxicol. 2017 Mar 20;30(3):794-803.

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

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