



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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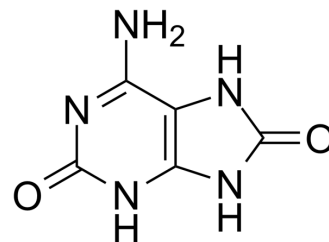
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2,8-Dihydroxyadenine

Cat. No.:	HY-N9941		
CAS No.:	30377-37-8		
Molecular Formula:	C ₅ H ₅ N ₅ O ₂		
Molecular Weight:	167.13		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 2.2 mg/mL (13.16 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.9834 mL	29.9168 mL	59.8337 mL
	5 mM	1.1967 mL	5.9834 mL	11.9667 mL
	10 mM	0.5983 mL	2.9917 mL	5.9834 mL

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

BIOLOGICAL ACTIVITY

Description

2,8-Dihydroxyadenine, an endogenous metabolite, can cause the formation of urinary crystals and kidney stones. 2,8-Dihydroxyadenine can be used to diagnose adenine phosphoribosyltransferase (APRT) deficiency^{[1][2]}.

REFERENCES

- [1]. Ceballos-Picot I, et, al. 2,8-Dihydroxyadenine urolithiasis: a not so rare inborn error of purine metabolism. *Nucleosides Nucleotides Nucleic Acids*. 2014;33(4-6):241-52.
- [2]. Sreejith P, et, al. 2,8 Dihydroxyadenine urolithiasis: A case report and review of literature. *Indian J Nephrol*. 2009 Jan;19(1):34-6.

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

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