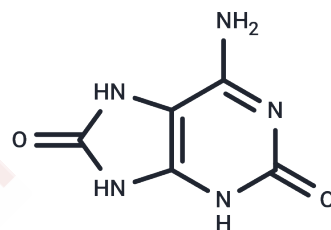


## 2,8-Dihydroxyadenine

## Chemical Properties

CAS No. :	30377-37-8
Formula:	C <sub>5</sub> H <sub>5</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	167.128
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2,8-Dihydroxyadenine, an endogenous metabolite, induces urinary crystals and nephrolithiasis and serves as a diagnostic tool for detecting adenine phosphoribosyltransferase (APRT) deficiency.
Targets(IC50)	Others,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1197 mL	0.5983 mL	1.1967 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- 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.
- Sreejith P, et, al. 2, 8 Dihydroxyadenine urolithiasis: A case report and review of literature. Indian J Nephrol. 2009 Jan;19(1):34-6.

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