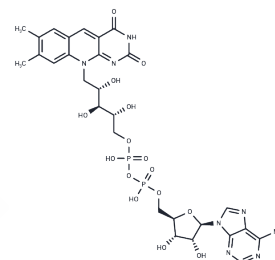


1-Deaza-fad

Chemical Properties

CAS No. :	57818-88-9
Formula:	C ₂₈ H ₃₄ N ₈ O ₁₅ P ₂
Molecular Weight:	784.56
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	1-Deaza-fad also known as Deazafad. 1-deazaFAD has comparable activity in the mutase reconstituted.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2746 mL	6.373 mL	12.746 mL
5 mM	0.2549 mL	1.2746 mL	2.5492 mL
10 mM	0.1275 mL	0.6373 mL	1.2746 mL
50 mM	0.0255 mL	0.1275 mL	0.2549 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

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- Huang Z, Zhang Q, Liu HW. Reconstitution of UDP-galactopyranose mutase with 1-deaza-FAD and 5-deaza-FAD: analysis and mechanistic implications. *Bioorg Chem*. 2003 Dec;31(6):494-502. PubMed PMID: 14613770.
- Zhang H, Gruenke L, Arscott D, Shen A, Kasper C, Harris DL, Glavanovich M, Johnson R, Waskell L. Determination of the rate of reduction of oxyferrous cytochrome P450 2B4 by 5-deazariboflavin adenine dinucleotide T491V cytochrome P450 reductase. *Biochemistry*. 2003 Oct 14;42(40):11594-603. PubMed PMID: 14529269.

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