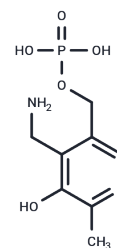


Pyridoxamine 5'-phosphate

Chemical Properties

CAS No. :	529-96-4
Formula:	C ₈ H ₁₃ N ₂ O ₅ P
Molecular Weight:	248.17
Storage:	Keep away from moisture, Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Pyridoxamine 5'-phosphate is the active coenzyme form of vitamin B6 bound to phosphate, involved in amino acid metabolism and influencing growth, cognitive development, immunity, and steroid hormone activity.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: ≥ 40 mg/mL, Sonication is recommended. DMSO: < 1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0295 mL	20.1475 mL	40.295 mL
5 mM	0.8059 mL	4.0295 mL	8.059 mL
10 mM	0.4029 mL	2.0147 mL	4.0295 mL
50 mM	0.0806 mL	0.4029 mL	0.8059 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

Seo JH, et, al. Necessary and sufficient conditions for the asymmetric synthesis of chiral amines using ω-aminotransferases. *Biotechnol Bioeng.* 2011 Feb;108(2):253-63.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481