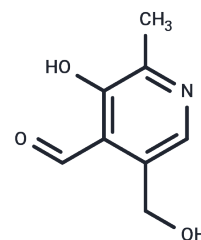


Pyridoxal hydrochloride

Chemical Properties

CAS No. :	65-22-5
Formula:	C ₈ H ₁₀ ClNO ₃
Molecular Weight:	203.62
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	The 4-carboxyaldehyde form of vitamin B6 which is converted to pyridoxal phosphate which is a coenzyme for synthesis of amino acids, neurotransmitters (serotonin, norepinephrine), sphingolipids, aminolevulinic acid.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 252.5 mg/mL (1240.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (49.11 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (4.91 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9111 mL	24.5555 mL	49.1111 mL
5 mM	0.9822 mL	4.9111 mL	9.8222 mL
10 mM	0.4911 mL	2.4556 mL	4.9111 mL
50 mM	0.0982 mL	0.4911 mL	0.9822 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

Rajamohan F , Nelms L , Joslin D L , et al. cDNA cloning, expression, purification, distribution, and characterization of biologically active canine alanine aminotransferase-1.[J]. Protein Expr Purif, 2006, 48(1):81-89.

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