

NADPH tetracyclohexanamine

Chemical Properties

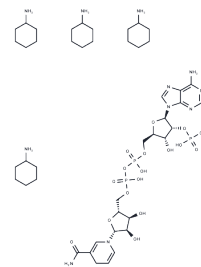
CAS No. : 100929-71-3

Formula: C45H82N11O17P3

Molecular Weight: 1142.12

The compound is unstable in solution. Please use soon

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	NADPH tetracyclohexanamine (NADPH (tetracyclohexanamine)) is a cofactor and biological reducing agent.
Targets(IC50)	Ferroptosis,Endogenous Metabolite

Solubility Information

Solubility	H2O: 100 mg/mL (87.56 mM),Sonication is recommended. DMSO: 250 mg/mL (218.89 mM),The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (8.76 mM),Suspension. <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	0.8756 mL	4.3778 mL	8.7556 mL
5 mM	0.1751 mL	0.8756 mL	1.7511 mL
10 mM	0.0876 mL	0.4378 mL	0.8756 mL
50 mM	0.0175 mL	0.0876 mL	0.1751 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

Yang X, Lin G, Chen Y, et al. Chlorquinaldol Alleviates Lung Fibrosis in Mice by Inhibiting Fibroblast Activation through Targeting Methionine Synthase Reductase. ACS Central Science. 2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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