

Iproniazid Phosphate

Chemical Properties

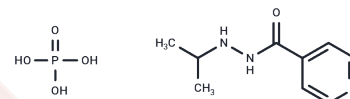
CAS No. : 305-33-9

Formula: C₉H₁₃N₃O·H₃PO₄

Molecular Weight: 277.21

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	Iproniazid Phosphate is a non-selective, irreversible monoamine oxidase inhibitor (MAOI).
Targets(IC50)	Apoptosis,MAO,Monoamine Oxidase

Solubility Information

Solubility	DMSO: 74.29 mg/mL (267.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 7.43 mg/mL (26.8 mM),Solution. <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	3.6074 mL	18.0369 mL	36.0737 mL
5 mM	0.7215 mL	3.6074 mL	7.2147 mL
10 mM	0.3607 mL	1.8037 mL	3.6074 mL
50 mM	0.0721 mL	0.3607 mL	0.7215 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

Fagervall I, et al. Biochemical pharmacology, 1986, 35 (8): 1381-7.

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