

Nialamide

Chemical Properties

CAS No. : 51-12-7

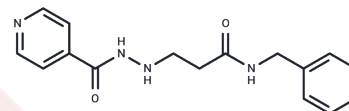
Formula: C₁₆H₁₈N₄O₂

Molecular Weight: 298.34

Store at low temperature

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	Nialamide (Nialamid) is an MAO inhibitor that is used as an antidepressive agent.
Targets(IC50)	MAO, Monoamine Oxidase, ROS, Transferase

Solubility Information

Solubility	DMSO: 30 mg/mL (100.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.7 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	3.3519 mL	16.7594 mL	33.5188 mL
5 mM	0.6704 mL	3.3519 mL	6.7038 mL
10 mM	0.3352 mL	1.6759 mL	3.3519 mL
50 mM	0.067 mL	0.3352 mL	0.6704 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

Hovevey-Sion D, et al. Neuropharmacology. 1989 Aug;28(8):791-7.

Wu X, Li Y, Wang J, et al. Click-Reaction-Triggered SERS Signals for Specific Detection of Monoamine Oxidase B Activity. Analytical Chemistry. 2020

Wu X, Li Y, Wang J, et al. Click-Reaction-Triggered SERS Signals for Specific Detection of Monoamine Oxidase B Activity[J]. Analytical Chemistry. 2020

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