

## Mebhydrolin

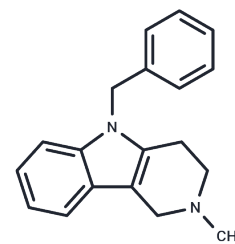
## Chemical Properties

CAS No. : 524-81-2

Formula: C19H20N2

Molecular Weight: 276.38

Storage: Store at low temperature  
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	Mebhydrolin (Mebhydroline) is a specific histamine H1 receptor antagonist.
Targets(IC50)	Histamine Receptor
In vitro	Mebhydrolin is a specific histamine H1-receptor antagonist with minimal sedative properties and comparing it with the effects of chlorpromazine, the archetypical phenothiazine. Mebhydrolin exerts an antihistaminic effect over the period of the ethanol interaction study

## Solubility Information

Solubility	DMSO: 50 mg/mL (180.91 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 (7.24 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

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	1mg	5mg	10mg
1 mM	3.6182 mL	18.091 mL	36.1821 mL
5 mM	0.7236 mL	3.6182 mL	7.2364 mL
10 mM	0.3618 mL	1.8091 mL	3.6182 mL
50 mM	0.0724 mL	0.3618 mL	0.7236 mL

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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

- O'Neill PA,etal.Chlorpromazine--a specific effect on breathlessness Br J Clin Pharmacol. 1985 Jun;19(6):793-7.  
Franks HM,etal.Interaction between ethanol and antihistamines: 3. mebhydrolin. Med J Aust. 1981 Oct 31;2(9):477-9.

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