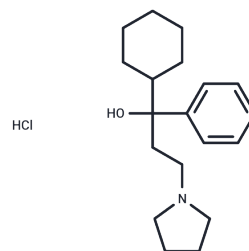


## Procyclidine hydrochloride

### Chemical Properties

CAS No. :	1508-76-5
Formula:	C <sub>19</sub> H <sub>30</sub> ClNO
Molecular Weight:	323.9
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Procyclidine hydrochloride ((±)-Procyclidine hydrochlorid) is a potent anticholinergic agent and also have NMDA antagonist properties.
Targets(IC50)	NMDAR,AChR,iGluR

### Solubility Information

Solubility	DMSO: 41.67 mg/mL (128.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 4.17 mg/mL (12.87 mM),Solution. 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (6.17 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	3.0874 mL	15.4369 mL	30.8737 mL
5 mM	0.6175 mL	3.0874 mL	6.1747 mL
10 mM	0.3087 mL	1.5437 mL	3.0874 mL
50 mM	0.0617 mL	0.3087 mL	0.6175 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

Jevtovic-Todorovic V, et al. Anti-parkinsonian agents procyclidine and ethopropazine alleviate thermal hyperalgesia in neuropathic rats. *Neuropharmacology*. 2003 May;44(6):739-48.

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