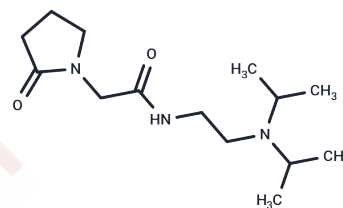


Pramiracetam

Chemical Properties

CAS No. : 68497-62-1
 Formula: C₁₄H₂₇N₃O₂
 Molecular Weight: 269.38
 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	Pramiracetam (CI-879), derived from piracetam, is a more effective nootropic drug . According to reports, Pramiracetam improved cognitive defects related with traumatic brain wounds. Pramiracetam was also potent in the therapy of cognitive disorders of traumatic origins and cerebrovascular.
Targets(IC50)	Others,Prolyl Endopeptidase (PREP)

Solubility Information

Solubility	DMSO: 50 mg/mL (185.61 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 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 (7.42 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	3.7122 mL	18.5611 mL	37.1223 mL
5 mM	0.7424 mL	3.7122 mL	7.4245 mL
10 mM	0.3712 mL	1.8561 mL	3.7122 mL
50 mM	0.0742 mL	0.3712 mL	0.7424 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

Corasaniti MT, et al. *Funct Neurol.* 1995 May-Jun;10(3):151-5.

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