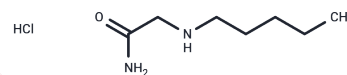


Milacemide HCl

Chemical Properties

CAS No. :	76990-85-7
Formula:	C7H17ClN2O
Molecular Weight:	180.68
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	Milacemide HCl is an MAO-B inhibitor and glycine prodrug.
Targets(IC50)	Others, Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5346 mL	27.6732 mL	55.3465 mL
5 mM	1.1069 mL	5.5346 mL	11.0693 mL
10 mM	0.5535 mL	2.7673 mL	5.5346 mL
50 mM	0.1107 mL	0.5535 mL	1.1069 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

- Liljequist R. Glycine modulates N-methyl-D-aspartic acid induced learning facilitation in rats. *Amino Acids*. 1996 Dec;10(4):345-58. doi: 10.1007/BF00805862. PubMed PMID: 24178595.
- Finkelstein JE, Hengemihle JM, Ingram DK, Petri HL. Milacemide treatment in mice enhances acquisition of a Morris-type water maze task. *Pharmacol Biochem Behav*. 1994 Nov;49(3):707-10. PubMed PMID: 7862727.
- Tonkiss J, Rawlins JN. The competitive NMDA antagonist AP5, but not the non-competitive antagonist MK801, induces a delay-related impairment in spatial working memory in rats. *Exp Brain Res*. 1991;85(2):349-58. PubMed PMID: 1680067.
- Janssens de Varebeke P, Pauwels G, Buyse C, David-Remacle M, De Mey J, Roba J, Youdim MB. The novel neuropsychotropic agent milacemide is a specific enzyme-activated inhibitor of brain monoamine oxidase B. *J Neurochem*. 1989 Oct;53(4):1109-16. PubMed PMID: 2769256.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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