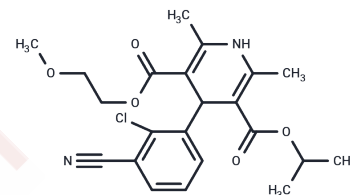


(Rac)-MEM 1003

Chemical Properties

CAS No. : 165187-25-7
 Formula: C₂₂H₂₅ClN₂O₅
 Molecular Weight: 432.9
 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	MEM-1003, a calcium channel blocker, is used potentially for the treatment of bipolar disorders.
Targets(IC50)	Others, Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.310 mL	11.550 mL	23.100 mL
5 mM	0.462 mL	2.310 mL	4.620 mL
10 mM	0.231 mL	1.155 mL	2.310 mL
50 mM	0.0462 mL	0.231 mL	0.462 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

- El-Mallakh RS, Elmaadawi AZ, Gao Y, Lohano K, Roberts RJ. Current and emerging therapies for the management of bipolar disorders. *J Cent Nerv Syst Dis.* 2011 Aug 7;3:189-97. doi: 10.4137/JCNSD.S4441. PubMed PMID: 23861648; PubMed Central PMCID: PMC3663605.
- Bayés M, Rabasseda X, Prous JR. Gateways to clinical trials. *Methods Find Exp Clin Pharmacol.* 2007 Nov;29(9):625-55. PubMed PMID: 18193114.
- Rose GM, Ong VS, Woodruff-Pak DS. Efficacy of MEM 1003, a novel calcium channel blocker, in delay and trace eyeblink conditioning in older rabbits. *Neurobiol Aging.* 2007 May;28(5):766-73. PubMed PMID: 16621170.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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