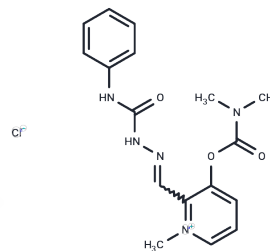


MHP 133

Chemical Properties

CAS No. :	147340-43-0
Formula:	C ₁₇ H ₂₀ ClN ₅ O ₃
Molecular Weight:	377.83
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	MHP 133 is a drug with multiple CNS targets(AChE with Ki of 69 μM).
Targets(IC50)	5-HT Receptor,AChR,Cholinesterase (ChE)
In vitro	MHP-133 exhibits this nicotinic-like activity in the cell line. MHP-133 produces a bi-phasic effect on slice survival, particularly in the dentate gyrus and the CA1 regions[1].
In vivo	MHP-133 (50, 100, or 200 μg/kg, i.p.) enhances acquisition of the task and increases task accuracy In rats, elicits significant improvements in task accuracies during sessions initiated 10 min after dosing[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6467 mL	13.2335 mL	26.4669 mL
5 mM	0.5293 mL	2.6467 mL	5.2934 mL
10 mM	0.2647 mL	1.3233 mL	2.6467 mL
50 mM	0.0529 mL	0.2647 mL	0.5293 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

Buccafusco JJ, et al. MHP-133, a drug with multiple CNS targets: potential for neuroprotection and enhanced cognition. Neurochem Res. 2007 Jul;32(7):1224-37. Epub 2007 Apr 3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481