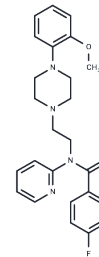


p-MPPF

Chemical Properties

CAS No. :	155204-26-5
Formula:	C ₂₅ H ₂₇ N ₂ O ₂
Molecular Weight:	434.51
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	p-MPPF is a selective 5-HT antagonist that dose-dependently antagonizes hypothermia induced by 8-hydroxy-2-(di-n-propylamino)tetralin (8-OH-DPAT) and can be used to study neurological diseases.
Targets(IC50)	5-HT Receptor,PERK
In vitro	The 5-HT(1A) receptor agonist 8-hydroxy-N,N-dipropionylaminotetralin (8-OH-DPAT) dose- and time-dependently reduced the basal levels of phosphorylated Erk1/2 (phospho-Erk1/2) in the rat hippocampus without changing total Erk/2, and pretreatment with p-MPPF blocked the effects of 8-OH-DPAT. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3014 mL	11.5072 mL	23.0144 mL
5 mM	0.4603 mL	2.3014 mL	4.6029 mL
10 mM	0.2301 mL	1.1507 mL	2.3014 mL
50 mM	0.046 mL	0.2301 mL	0.4603 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

Chen J, et al. 5-HT_{1A} receptor-mediated regulation of mitogen-activated protein kinase phosphorylation in rat brain. *Eur J Pharmacol.* 2002 Oct 4;452(2):155-62.

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