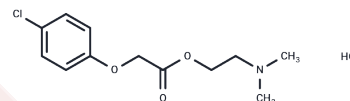


Meclofenoxate hydrochloride

Chemical Properties

CAS No. :	3685-84-5
Formula:	C ₁₂ H ₁₆ ClNO ₃ ·HCl
Molecular Weight:	294.17
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	Meclofenoxate hydrochloride (Lucidril) is an ester of DIMETHYLAMINOETHANOL and para-chlorophenoxyacetic acid. It has been shown to improve memory and general cognition, and mentally stimulating effect.
Targets(IC50)	AChR, COX, iGluR, Lipoxygenase

Solubility Information

Solubility	DMSO: 60 mg/mL (203.96 mM), Sonication is recommended. Ethanol: 54 mg/mL (183.57 mM), Sonication is recommended. H ₂ O: 53 mg/mL (180.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3994 mL	16.997 mL	33.9939 mL
5 mM	0.6799 mL	3.3994 mL	6.7988 mL
10 mM	0.3399 mL	1.6997 mL	3.3994 mL
50 mM	0.068 mL	0.3399 mL	0.6799 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

Perez-Vizcaino F, et al. Am J Physiol Lung Cell Mol Physiol. 2002 Oct;283(4):L839-48.

Liu Y, Sun Z, Dong R, et al. Rutin ameliorated lipid metabolism dysfunction of diabetic NAFLD via AMPK/SREBP1 pathway. Phytomedicine. 2024: 155437.

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