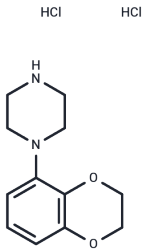
Data Sheet (Cat.No.T7746)

TargetMol

Eltoprazine dihydrochloride

Chemical Properties



CAS No. : 143485-51-2

Formula: C12H18Cl2N2O2

Molecular Weight: 293.19

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	Eltoprazine dihydrochloride is a drug that had previously been developed for aggression, has recently been investigated for L-DOPA-induced dyskinesia in animal models of Parkinson's disease (PD) and in dyskinetic PD patients.
Targets(IC50)	Others,5-HT Receptor
In vitro	In the elevated plus maze eltoprazine increased anxiety?like behavior.?On the other hand, it induced a clear?cut anxiolytic effect in context fear conditioning test starting at ca. 0.3 mg/kg[1]

Solubility Information

Solubility	DMSO: 10 mg/mL (34.11 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4108 mL	17.0538 mL	34.1076 mL
5 mM	0.6822 mL	3.4108 mL	6.8215 mL
10 mM	0.3411 mL	1.7054 mL	3.4108 mL
50 mM	0.0682 mL	0.3411 mL	0.6822 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

Gravius A , Dekundy A , Vanaga A , et al. Further pharmacological characterization of eltoprazine: Focus on its anxiolytic, anorexic, and adverse-effect potential[J]. Acta neurobiologiae experimentalis, 2017, 77(1):77-85.
Keywood, Charlotte, Widner, et al. Eltoprazine counteracts l-DOPA-induced dyskinesias in Parkinson's disease: a dose-finding study[J]. Brain: A journal of neurology, 2015.

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