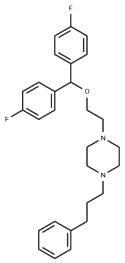
Data Sheet (Cat.No.T23501)

TargetMol

Vanoxerine

Chemical Properties



CAS No. : 67469-69-6

Formula: C28H32F2N2O

Molecular Weight: 450.56

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	Vanoxerine is an antagonist of dopamine transporter (Ki: 16.9nM).
Targets(IC50)	Others,Dopamine Receptor
In vitro	As an antagonist of DAT, vanoxerine is developed for treatment of Parkinson's disease and depression but has no effect on these diseases. Vanoxerine is also found to have desirable cardiac antiarrhythmic properties. It is a blocker of cardiac hERG (IC50:0.84 nM). It also blocks the ICa,L and hNav1.5 channel (IC50: 320nM and 830nM, respectively). Vanoxerine does not significantly prolong Purkinje fiber APD60 and APD90 and has no significant effect on QT or TDR.

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2195 mL	11.0973 mL	22.1946 mL
5 mM	0.4439 mL	2.2195 mL	4.4389 mL
10 mM	0.2219 mL	1.1097 mL	2.2195 mL
50 mM	0.0444 mL	0.2219 mL	0.4439 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.

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