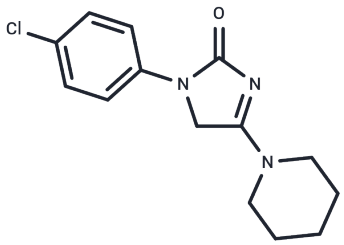
Data Sheet (Cat.No.T27252)

TargetMol
YOUR TARGET MOLECULES

ELB-139

Chemical Properties



CAS No. : 188116-08-7

Formula: C14H16ClN3O

Molecular Weight: 277.75

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	ELB-139 is a GABAA receptor agonist that can be used to study depression and epilepsy.
Targets(IC50)	GABA Receptor
In vitro	The IC(50) for the binding site of ELB139 to flunitrazepam in rat forebrain cortical membranes was 1390 nM.In rat hippocampal neurons, ELB139 potentiated GABA-induced currents without maximal effects of diazepam, suggesting partial benzodiazepine agonism. [5]
In vivo	ELB139 (10 and 30 mg/kg orally) was active in three different animal models of anxiety in elevated plus maze, light and dark boxes, and Vogel conflict tests. [5]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6004 mL	18.0018 mL	36.0036 mL
5 mM	0.7201 mL	3.6004 mL	7.2007 mL
10 mM	0.360 mL	1.8002 mL	3.6004 mL
50 mM	0.072 mL	0.360 mL	0.7201 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.

Reference

Landmark CJ, et al.Modifications of antiepileptic drugs for improved tolerability and efficacy. Perspect Medicin Chem. 2008 Feb 14;2:21-39.

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