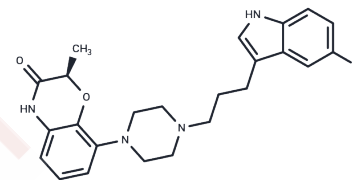


Lensiprazine

Chemical Properties

CAS No. :	327026-93-7
Formula:	C ₂₄ H ₂₇ N ₃ O ₂
Molecular Weight:	422.5
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	Lensiprazine (SLV314) is a potent dopamine D(2) receptor antagonist that acts as a serotonin reuptake inhibitor, and can be used to study bipolar disorder and schizophrenia.
Targets(IC50)	5-HT Receptor, Dopamine Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (118.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3669 mL	11.8343 mL	23.6686 mL
5 mM	0.4734 mL	2.3669 mL	4.7337 mL
10 mM	0.2367 mL	1.1834 mL	2.3669 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 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

Raully-Lestienne I, et al. Differential profile of typical, atypical and third generation antipsychotics at human 5-HT7a receptors coupled to adenylyl cyclase: detection of agonist and inverse agonist properties. *Naunyn Schmiedebergs Arch Pharmacol.* 2007;376(1-2):93-105.

Lange JH, et al. Principal component analysis differentiates the receptor binding profiles of three antipsychotic drug candidates from current antipsychotic drugs. *J Med Chem.* 2007;50(21):5103-5108.

Bollu R, et al. Potential anti-proliferative agents from 1,4-benzoxazinone-quinazolin-4(3H)-one templates. *Bioorg Med Chem Lett.* 2017;27(24):5481-5484.

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