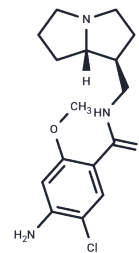


SC-53116

Chemical Properties

CAS No. : 141196-99-8
 Formula: C₁₆H₂₂ClN₃O₂
 Molecular Weight: 323.82
 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	SC-53116 HCl can increase the production of serotonin in central nervous system tissues and is a psychoactive agent.
Targets(IC50)	Others,5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0881 mL	15.4407 mL	30.8814 mL
5 mM	0.6176 mL	3.0881 mL	6.1763 mL
10 mM	0.3088 mL	1.5441 mL	3.0881 mL
50 mM	0.0618 mL	0.3088 mL	0.6176 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

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- McLean PG, Coupar IM, Molenaar P. Changes in sensitivity of 5-HT receptor mediated functional responses in the rat oesophagus, fundus and jejunum following chronic infusion with 5-hydroxytryptamine. *Naunyn Schmiedebergs Arch Pharmacol.* 1996 Oct;354(4):513-9. PubMed PMID: 8897456.
- Yang DC, Goldstin B, Moormann AE, Flynn DL, Gullikson GW. SC-53606, a potent and selective antagonist of 5-hydroxytryptamine₄ receptors in isolated rat esophageal tunica muscularis mucosae. *J Pharmacol Exp Ther.* 1993 Sep;266(3):1339-47. PubMed PMID: 8396633.
- Eglen RM, Bley K, Bonhaus DW, Clark RD, Hegde SS, Johnson LG, Leung E, Wong EH. RS 23597-190: a potent and selective 5-HT₄ receptor antagonist. *Br J Pharmacol.* 1993 Sep;110(1):119-26. PubMed PMID: 8220871; PubMed Central PMCID: PMC2176024.

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