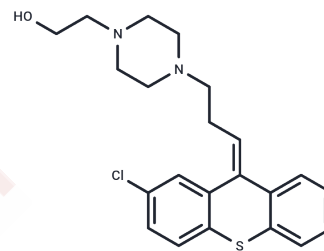


Zuclopenthixol

Chemical Properties

CAS No. :	53772-83-1
Formula:	C ₂₂ H ₂₅ ClN ₂ OS
Molecular Weight:	400.96
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Zuclopenthixol (cis-Clopenthixol) is a thioxanthene with therapeutic actions similar to the phenothiazine antipsychotics. It is an antagonist at D1 and D2 dopamine receptors.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 150 mg/mL (374.1 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	2.494 mL	12.4701 mL	24.9401 mL
5 mM	0.4988 mL	2.494 mL	4.988 mL
10 mM	0.2494 mL	1.247 mL	2.494 mL
50 mM	0.0499 mL	0.2494 mL	0.4988 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

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- Jayakody K, Gibson RC, Kumar A, Gunadasa S: Zuclopenthixol acetate for acute schizophrenia and similar serious mental illnesses. *Cochrane Database Syst Rev.* 2012 Apr 18;4:CD20200525. doi: 10.12002/14651858.CD20200525.pub3.
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