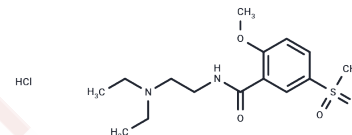


Tiapride hydrochloride

Chemical Properties

CAS No. : 51012-33-0
 Formula: C₁₅H₂₄N₂O₄S·HCl
 Molecular Weight: 364.89
 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	Tiapride is a selective blocker of D2/3 dopamine receptors in the brain. It is used in the therapy of various psychiatric and neurological disorders containing dyskinesia, negative symptoms of psychosis, alcohol withdrawal syndrome, and aggression and agitation in the elderly.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7406 mL	13.7028 mL	27.4055 mL
5 mM	0.5481 mL	2.7406 mL	5.4811 mL
10 mM	0.2741 mL	1.3703 mL	2.7406 mL
50 mM	0.0548 mL	0.2741 mL	0.5481 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

Scatton B, et al. Eur Psychiatry. 2001 Jan;16 Suppl 1:29s-34s.

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