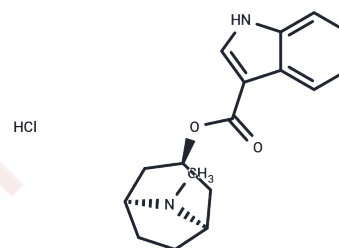


Tropisetron hydrochloride

Chemical Properties

CAS No. :	105826-92-4
Formula:	C ₁₇ H ₂₁ ClN ₂ O ₂
Molecular Weight:	320.82
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	Tropisetron hydrochloride (Tropisetron HCl) is the hydrochloride salt form of tropisetron, a selective, competitive serotonin 5-hydroxytryptamine type 3 (5-HT ₃) receptor antagonist, with antinauseant and antiemetic activities.
Targets(IC ₅₀)	5-HT Receptor, AChR
In vivo	Tropisetron (1 mg/kg i.p.) significantly improves the deficient inhibitory processing of the P20-N40 auditory evoked potential in DBA/2 mice. [5]

Solubility Information

Solubility	DMSO: 6.25 mg/mL (19.48 mM), Sonication is recommended. H ₂ O: 50 mg/mL (155.85 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	3.117 mL	15.5851 mL	31.1701 mL
5 mM	0.6234 mL	3.117 mL	6.234 mL
10 mM	0.3117 mL	1.5585 mL	3.117 mL
50 mM	0.0623 mL	0.3117 mL	0.6234 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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Hashimoto K, et al. Psychopharmacology (Berl),2005, 183(1), 13-19.

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