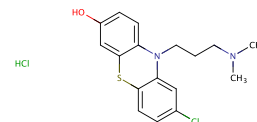


7-hydroxy Chlorpromazine (hydrochloride)

Chemical Properties

CAS No. :	51938-11-5
Formula:	C17H20Cl2N2OS
Molecular Weight:	371.32
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	7-hydroxy Chlorpromazine is an active metabolite of the typical antipsychotic chlorpromazine .1
Targets(IC50)	Dopamine Receptor, Drug Metabolite
In vivo	In vivo, 7-hydroxy chlorpromazine (5 mg/kg) increases plasma prolactin levels in male rats. It also reverses D-amphetamine-induced depression of the dopaminergic neuronal firing rate in the rat substantia nigra in rats when administered at a dose of 1.6 mg/kg.2

Solubility Information

Solubility	Methanol: 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	2.6931 mL	13.4655 mL	26.9309 mL
5 mM	0.5386 mL	2.6931 mL	5.3862 mL
10 mM	0.2693 mL	1.3465 mL	2.6931 mL
50 mM	0.0539 mL	0.2693 mL	0.5386 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

Meltzer, H.Y., Fang, V.S., Simonovich, M., et al. Effect of metabolites of chlorpromazine on plasma prolactin levels in male rats. *Eur. J. Pharmacol.* 41(4)431-436(1977)

Bunney, B.S., and Aghajanian, G.K. A comparison of the effects of chlorpromazine, 7-hydroxychlorpromazine and chlorpromazine sulfoxide on the activity of central dopaminergic neurons. *Life Sci.* 15(2)309-318(1974)

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