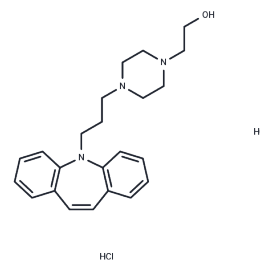


Opipramol dihydrochloride

Chemical Properties

CAS No. :	909-39-7
Formula:	C ₂₃ H ₃₁ Cl ₂ N ₃ O
Molecular Weight:	436.418
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	Opipramol (Ensidon) is an atypical tricyclic antidepressant (TCA) primarily functioning as a sigma (σ) receptor agonist. It interacts effectively with sigma recognition sites, having a K_i value of 50 nM. Opipramol is applicable in the study of generalized anxiety disorder (GAD).
Targets(IC ₅₀)	Sigma receptor
In vitro	Opipramol inhibits the uptake of [³ H]DA in crude synaptosomal preparations, with an IC ₅₀ value of 5.5 μ M [1].
In vivo	Opipramol (i.p.; 5-50 mg/kg) has been shown to enhance the release of dopamine in vivo [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2914 mL	11.4569 mL	22.9137 mL
5 mM	0.4583 mL	2.2914 mL	4.5827 mL
10 mM	0.2291 mL	1.1457 mL	2.2914 mL
50 mM	0.0458 mL	0.2291 mL	0.4583 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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