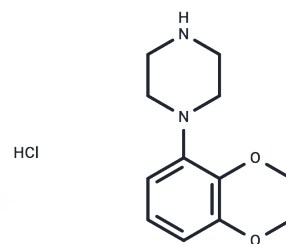


Etoprazine hydrochloride

Chemical Properties

CAS No. : 98206-09-8
 Formula: C₁₂H₁₇ClN₂O₂
 Molecular Weight: 256.73
 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	Etoprazine hydrochloride (DU 28853 hydrochloride) is a partial agonist at serotonin 5-HT _{1A} , 5-HT _{1B} , and 5-HT _{2B} receptors (K _i value of 40, 52, and 81 nM, respectively).
Targets(IC ₅₀)	5-HT Receptor
In vivo	Etoprazine hydrochloride exerts a dose-dependent decrease in aggressive behavior in resident-intruder tests with rats (ID ₅₀ = 0.24 mg/kg)[1].

Solubility Information

Solubility	DMSO: 31 mg/mL (120.75 mM),Sonication is recommended. H ₂ O: 28 mg/mL (109.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.79 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8951 mL	19.4757 mL	38.9514 mL
5 mM	0.779 mL	3.8951 mL	7.7903 mL
10 mM	0.3895 mL	1.9476 mL	3.8951 mL
50 mM	0.0779 mL	0.3895 mL	0.779 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

Boer S F D , Lesourd M , Mocaer E , et al. Selective Antiaggressive Effects of Alnespirone in Resident-Intruder Test Are Mediated via 5-Hydroxytryptamine_{1A} Receptors: A Comparative Pharmacological Study with 8-Hydroxy-2-Dipropylaminotetralin, Ipsapirone, Buspirone, Eltoprazine, and WAY-100635[J]. *Journal of Pharmacology & Experimental Therapeutics*, 1999, 288(3):1125-1133.

Gravius A , Dekundy A , Vanaga A , et al. Further pharmacological characterization of eltoprazine: Focus on its anxiolytic, anorexic, and adverse-effect potential[J]. *Acta neurobiologiae experimentalis*, 2017, 77(1):77-85.

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