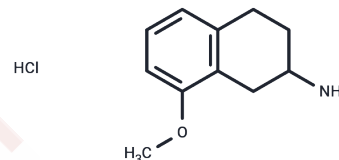


5-HT1A modulator 2 hydrochloride

Chemical Properties

CAS No. :	3880-76-0
Formula:	C ₁₁ H ₁₆ ClNO
Molecular Weight:	213.7
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	5-HT1A modulator 2 hydrochloride, a derivative of 8-OH-DPAT, is a modulator of 5-HT1A with a K_i of 53 nM for 5-HT1A binding [1]. [1]. Naiman, N., et al. 2-(Alkylamino)tetralin derivatives: interaction with 5-HT1A serotonin binding sites. Journal of Medicinal Chemistry, 1989; 32(1), 253-256.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (257.37 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 (9.36 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	4.6795 mL	23.3973 mL	46.7946 mL
5 mM	0.9359 mL	4.6795 mL	9.3589 mL
10 mM	0.4679 mL	2.3397 mL	4.6795 mL
50 mM	0.0936 mL	0.4679 mL	0.9359 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

Naiman, N., et al. 2-(Alkylamino)tetralin derivatives: interaction with 5-HT_{1A} serotonin binding sites. Journal of Medicinal Chemistry, 1989;32(1), 253-256.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481