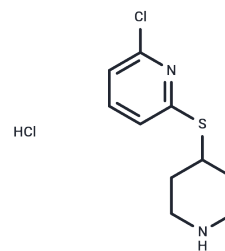


Anpirtoline hydrochloride

Chemical Properties

CAS No. :	99201-87-3
Formula:	C10H14ClN2S
Molecular Weight:	265.20
Storage:	Keep away from moisture Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Anpirtoline hydrochloride (D-16949 hydrochloride) is a novel and potent 5-HT1B receptor agonist and 5-HT3 receptor antagonist with anti-injurious, analgesic, and antidepressant activity, and is used in the study of movement disorders.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (37.71 mM), Sonication is recommended. H2O: 10 mg/mL (37.71 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: 1 mg/mL (3.77 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	3.7707 mL	18.8537 mL	37.7074 mL
5 mM	0.7541 mL	3.7707 mL	7.5415 mL
10 mM	0.3771 mL	1.8854 mL	3.7707 mL
50 mM	0.0754 mL	0.3771 mL	0.7541 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

Swedberg MD, et al. D-16949 (anpirtoline): a novel serotonergic (5-HT1B) psychotherapeutic agent assessed by its discriminative effects in the rat. *J Pharmacol Exp Ther.* 1992 Dec;263(3):1015-22.

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