Data Sheet (Cat.No.T2092)

TargetMol

Amitifadine hydrochloride

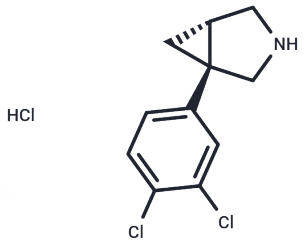
Chemical Properties

CAS No. : 410074-74-7

Formula: C11H12Cl3N

Molecular Weight: 264.58

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	Amitifadine hydrochloride (EB-1010 hydrochloride) is a triple reuptake inhibitor (TRI) or serotonin-norepinephrine-dopamine reuptake inhibitor (SNDRI).
Targets(IC50)	5-HT Receptor,Norepinephrine,Dopamine Receptor,Serotonin Transporter

Solubility Information

Solubility	DMSO: 10 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 (7.56 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7796 mL	18.8979 mL	37.7958 mL
5 mM	0.7559 mL	3.7796 mL	7.5592 mL
10 mM	0.378 mL	1.8898 mL	3.7796 mL
50 mM	0.0756 mL	0.378 mL	0.7559 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

Skolnick P, et al. Eur J Pharmacol. 2003 Feb 14;461(2-3):99-104.

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