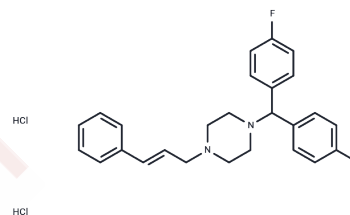


Flunarizine dihydrochloride

Chemical Properties

CAS No. : 30484-77-6
 Formula: C₂₆H₂₈Cl₂F₂N₂
 Molecular Weight: 477.42
 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	Flunarizine dihydrochloride (R14950) is a selective calcium entry blocker with calmodulin binding properties and histamine H1 blocking activity. Flunarizine dihydrochloride (R14950) is effective in the prophylaxis of migraine, occlusive peripheral vascular disease, vertigo of central and peripheral origin, and as an adjuvant in the therapy of epilepsy.
Targets(IC50)	Calcium Channel,Dopamine Receptor,Sodium Channel

Solubility Information

Solubility	Ethanol: 2.4 mg/mL (5.03 mM),Sonication is recommended. DMSO: 50 mg/mL (104.73 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 (4.19 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	2.0946 mL	10.473 mL	20.9459 mL
5 mM	0.4189 mL	2.0946 mL	4.1892 mL
10 mM	0.2095 mL	1.0473 mL	2.0946 mL
50 mM	0.0419 mL	0.2095 mL	0.4189 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

Uebele VN, et al. Cell Biochem Biophys. 2009;55(2):81-93.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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