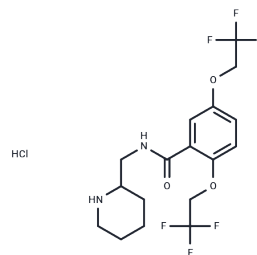


Flecainide hydrochloride

Chemical Properties

CAS No. :	57415-44-8
Formula:	C ₁₇ H ₂₁ ClF ₆ N ₂ O ₃
Molecular Weight:	450.81
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	Flecainide is a medication used to prevent and treat abnormally fast heart rates. This includes ventricular and supraventricular tachycardias.
Targets(IC50)	Others,Potassium Channel,Sodium Channel

Solubility Information

Solubility	DMSO: 4.51 mg/mL (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: 1 mg/mL (2.22 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	2.2182 mL	11.0911 mL	22.1823 mL
5 mM	0.4436 mL	2.2182 mL	4.4365 mL
10 mM	0.2218 mL	1.1091 mL	2.2182 mL
50 mM	0.0444 mL	0.2218 mL	0.4436 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

Markey, Gerard, C, et al. INTRAVENOUS FLECAINIDE FOR EMERGENCY DEPARTMENT MANAGEMENT OF ACUTE ATRIAL FIBRILLATION[J]. Journal of Emergency Medicine, 2018.

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