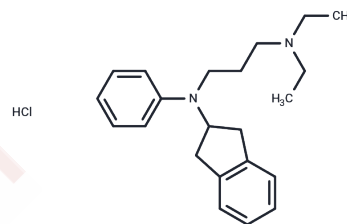


Aprindine hydrochloride

Chemical Properties

CAS No. :	33237-74-0
Formula:	C ₂₂ H ₃₁ ClN ₂
Molecular Weight:	358.95
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	Aprindine HCl is a Class 1b antiarrhythmic agent used to manage ventricular and supraventricular arrhythmias. In one study, it delayed atrial fibrillation more than digoxin did. It has shown effectiveness when given orally.
Targets(IC50)	CaMK,Others,Calcium Channel,Potassium Channel,Sodium Channel

Solubility Information

Solubility	DMSO: Soluble, H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7859 mL	13.9295 mL	27.859 mL
5 mM	0.5572 mL	2.7859 mL	5.5718 mL
10 mM	0.2786 mL	1.393 mL	2.7859 mL
50 mM	0.0557 mL	0.2786 mL	0.5572 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

Ozawa M, Komatsu T, Sato Y, Kunugita F, Tachibana H, Tashiro A, Okabayashi H, Nakamura M. Comparison of the effects of bepridil and aprindine for the prevention of atrial fibrillation after cardiac and aortic surgery: A prospective randomized study. *J Arrhythm*. 2015 Oct;31(5):302-6. doi: 10.1016/j.joa.2015.04.003. Epub 2015 May 16. PubMed PMID: 26550087; PubMed Central PMCID: PMC4600894.

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Nogami Y, Takase B, Matsui T, Hattori H, Hamabe A, Fujita M, Ohsuzu F, Ishihara M, Maekara T. Effect of antiarrhythmic agents on heart rate variability indices after myocardial infarction: comparative experimental study of aprindine and procainamide. *Biomed Pharmacother*. 2005 Oct;59 Suppl 1:S169-73. PubMed PMID: 16275488.

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