

Flecainide

Chemical Properties

CAS No.:	54143-55-4
Formula:	C ₁₇ H ₂₀ F ₆ N ₂ O ₃
Molecular Weight:	414.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Flecainide acetate is a class Ic antiarrhythmic agent, it is used to treat a variety of cardiac arrhythmias including paroxysmal atrial fibrillation, paroxysmal supraventricular tachycardia, and ventricular tachycardia. It works by regulating the flow of sodium in the heart, causing prolongation of the cardiac action potential.
-------------	---

Solubility Information

Solubility	Water: Insoluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.413 mL	12.067 mL	24.135 mL
5 mM	0.483 mL	2.413 mL	4.827 mL
10 mM	0.241 mL	1.207 mL	2.413 mL
50 mM	0.048 mL	0.241 mL	0.483 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Benoit A, Paolucci M, Stefan L, Vanderperren O, Hoffer E. [A CASE OF FLECAINIDE INTOXICATION]. Rev Med Liege. 2015 Sep;70(9):442-5. Review. French. PubMed PMID: 26638444.
2. Tamargo J, Le Heuzey JY, Mabo P. Narrow therapeutic index drugs: a clinical pharmacological consideration to flecainide. Eur J Clin Pharmacol. 2015 May;71(5):549-67. doi: 10.1007/s00228-015-1832-0. Epub 2015 Apr 15. Review. PubMed PMID: 25870032; PubMed Central PMCID: PMC4412688.
3. Andrikopoulos GK, Pastromas S, Tzeis S. Flecainide: Current status and perspectives in arrhythmia management. World J Cardiol. 2015 Feb 26;7(2):76-85. doi: 10.4330/wjc.v7.i2.76. Review. PubMed PMID: 25717355; PubMed Central PMCID: PMC4325304.
4. Apostolakis S, Oeff M, Tebbe U, Fabritz L, Breithardt G, Kirchhof P. Flecainide acetate for the treatment of atrial and ventricular arrhythmias. Expert Opin Pharmacother. 2013 Feb;14(3):347-57. doi: 10.1517/14656566.2013.759212. Epub 2013 Jan 7. Review. PubMed PMID: 23294160.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481