

Desethylamiodarone

Chemical Properties

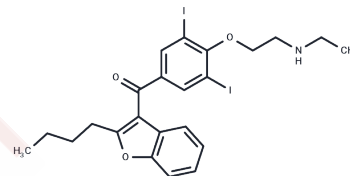
CAS No. : 83409-32-9

Formula: C₂₃H₂₅I₂NO₃

Molecular Weight: 617.26

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	Diethylamiodarone is the main metabolite of amiodarone in vivo.
Targets(IC50)	Apoptosis,Others,Drug Metabolite

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6201 mL	8.1003 mL	16.2006 mL
5 mM	0.324 mL	1.6201 mL	3.2401 mL
10 mM	0.162 mL	0.810 mL	1.6201 mL
50 mM	0.0324 mL	0.162 mL	0.324 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

- Morvay N, Baczkó I, Sztojkov-Ivanov A, Falkay G, Papp JG, Varró A, Leprán I. Long-term pretreatment with desethylamiodarone (DEA) or amiodarone (AMIO) protects against coronary artery occlusion induced ventricular arrhythmias in conscious rats. *Can J Physiol Pharmacol*. 2015 Sep;93(9):773-7. doi: 10.1139/cjpp-2014-0530. Epub 2015 Apr 2. PubMed PMID: 26176275.
- Khurana R, Bin Jardan YA, Wilkie J, Brocks DR. Breast milk concentrations of amiodarone, desethylamiodarone, and bisoprolol following short-term drug exposure: two case reports. *J Clin Pharmacol*. 2014 Jul;54(7):828-31. doi: 10.1002/jcph.272. Epub 2014 Feb 5. PubMed PMID: 24482268.
- Ghovanloo MR, Abdelsayed M, Ruben PC. Effects of Amiodarone and N-desethylamiodarone on Cardiac Voltage-Gated Sodium Channels. *Front Pharmacol*. 2016 Mar 1;7:39. doi: 10.3389/fphar.2016.00039. eCollection 2016. PubMed PMID: 26973526; PubMed Central PMCID: PMC4771766.
- Hong LX, Ying YC, Lei Z, Chen GR. Preparation and determination of desethylamiodarone in dog lung by HPLC-MS. *Pharmazie*. 2011 Nov;66(11):822-5. PubMed PMID: 22204125.

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