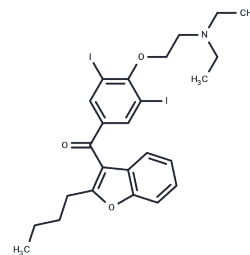


Amiodarone

Chemical Properties

CAS No. :	1951-25-3
Formula:	C ₂₅ H ₂₉ I ₂ NO ₃
Molecular Weight:	645.31
Storage:	Keep away from moisture Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Amiodarone is an antiarrhythmic compound that inhibits ATP-sensitive potassium channels (IC ₅₀ = 19.1 μM) and can induce pulmonary toxicity. It has shown some antiviral activity in diseases caused by SARS-CoV-2 and is commonly used to establish animal models of pulmonary fibrosis.
Targets(IC50)	Autophagy, Potassium Channel

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble), DMSO: 245 mg/mL (379.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5496 mL	7.7482 mL	15.4964 mL
5 mM	0.3099 mL	1.5496 mL	3.0993 mL
10 mM	0.155 mL	0.7748 mL	1.5496 mL
50 mM	0.031 mL	0.155 mL	0.3099 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

- Lee HC, et al. Amiodarone Induces Overexpression of Similar to Versican b to Repress the EGFR/Gsk3b/Snail Signaling Axis during Cardiac Valve Formation of Zebrafish Embryos. PLoS One. 2015 Dec 9;10(12):e0144751.
- Claro JC, et al. Amiodarone versus other pharmacological interventions for prevention of sudden cardiac death. Cochrane Database Syst Rev. 2015 Dec 8;2015(12):CD008093.
- Theodoraki A, Vanderpump MP. Thyrotoxicosis associated with the use of amiodarone: the utility of ultrasound in patient management. Clin Endocrinol (Oxf). 2015 Dec 7. doi: 10.1111/cen.12988. [Epub ahead of print] PubMed PMID: 26642425.
- Aboul-Fotouh GI, Zickri MB, Metwally HG, Ibrahim IR, Kamar SS, Sakr W. Therapeutic Effect of Adipose Derived Stem Cells versus Atorvastatin on Amiodarone Induced Lung Injury in Male Rat. Int J Stem Cells. 2015 Nov;8(2):170-80. doi: 10.15283/ijsc.2015.8.2.170. PubMed PMID: 26634065; PubMed Central PMCID: PMC4651281.

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