

Amiodarone

Chemical Properties

CAS No.:	1951-25-3
Formula:	C ₂₅ H ₂₉ I ₂ NO ₃
Molecular Weight:	645.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Amiodarone is categorized as a class III antiarrhythmic agent and prolongs phase 3 of the cardiac action potential. It also has numerous other effects, including actions that are similar to those of antiarrhythmic classes Ia, II, and IV. Amiodarone chemically resembles thyroxine.
-------------	--

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	1.550 mL	7.748 mL	15.496 mL
5 mM	0.310 mL	1.550 mL	3.099 mL
10 mM	0.155 mL	0.775 mL	1.550 mL
50 mM	0.031 mL	0.155 mL	0.310 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

- Lee HC, Lo HC, Lo DM, Su MY, Hu JR, Wu CC, Chang SN, Dai MS, Tsai CT, Tsai HJ. 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. doi: 10.1371/journal.pone.0144751. eCollection 2015. PubMed PMID: 26650936.
- Claro JC, Candia R, Rada G, Baraona F, Larrondo F, Letelier LM. Amiodarone versus other pharmacological interventions for prevention of sudden cardiac death. Cochrane Database Syst Rev. 2015 Dec 8;12:CD008093. [Epub ahead of print] Review. PubMed PMID: 26646017.
- 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.

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