



# LKT Laboratories, Inc.

## Amiodarone Hydrochloride

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** A5037  
**CAS No.** 19774-82-4  
**Chemical Name** (2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl] methanone hydrochloride

**Synonym** Amiodar, Ancaron, Cordarone, Ortacrone, Tachydaron, Trangorex

**Formula**  $C_{25}H_{29}I_2NO_3 \cdot HCl$

**Formula Wt.** 681.78

**Melting Point** 156° C

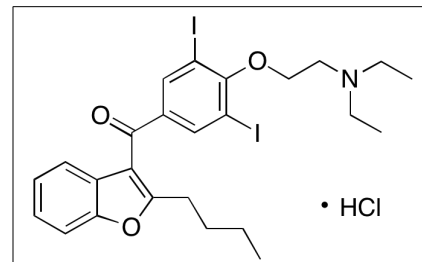
**Purity** ≥98%

**Solubility** Soluble in methanol, chloroform, and methylene chloride. Slightly soluble in acetone and dioxane. Sparingly soluble in isopropanol

**Store Temp** 4° C

**Ship Temp** Ambient

**Description** Amiodarone is a class III anti-arrhythmic that inhibits Na<sup>+</sup> channels, voltage-gated Ca<sup>2+</sup> channels, voltage-gated K<sup>+</sup> channels, and α/β-adrenergic receptors. Amiodarone prolongs the duration of the action potential, increasing the length of the refractory period; it is clinically used to treat ventricular fibrillation and ventricular tachycardia. Amiodarone also exhibits antiviral activity, inhibiting cell entry by filovirus, guanyarito virus, and hepatitis C. Additionally, this compound acts as a functional inhibitor of acid sphingomyelinase (FIASMA). TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
A5037	1 g	\$63.70
A5037	5 g	\$216.90
A5037	10 g	\$356.70

**References** Zoerner F, Semenas E. Resuscitation with amiodarone increases survival after hemorrhage and ventricular fibrillation in pigs. J Trauma Acute Care Surg. 2014 Jun;76(6):1402-8. PMID: 24854308.

Gehring G, Rohrmann K, Atenchong N, et al. The clinically approved drugs amiodarone, dronedarone and verapamil inhibit filovirus cell entry. J Antimicrob Chemother. 2014 Apr 7. [Epub ahead of print]. PMID: 24710028.

Cheng YL, Lan KH, Lee WP, et al. Amiodarone inhibits the entry and assembly steps of hepatitis C virus life cycle. Clin Sci (Lond). 2013 Nov;125(9):439-48. PMID: 23659500.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.