



# LKT Laboratories, Inc.

## Amiodarone Hydrochloride

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### 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<sub>25</sub>H<sub>29</sub>I<sub>2</sub>NO<sub>3</sub> • HCl

**Formula Wt.** 681.78

**Melting Point** 156 °C

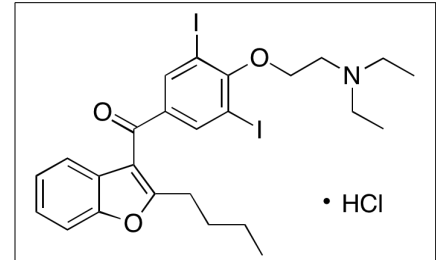
**Purity** ≥98%

**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, guanine virus, and hepatitis C. Additionally, this compound acts as a functional inhibitor of acid sphingomyelinase (FIASMA).



**Bulk quantities available upon request**

Product ID	Size
A5037	1 g
A5037	5 g
A5037	10 g

**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.