

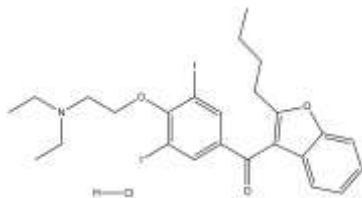
Amiodarone Hydrochloride

ALTERNATE NAME: 2-Butyl-3-benzofuranyl-4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl ketone hydrochloride

CATALOG #: 1828-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₂₉I₂NO₃ · HCl

MOLECULAR WEIGHT: 681.77

CAS NUMBER: 19774-82-4

APPEARANCE: White to off-white solid

SOLUBILITY: Water (50 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: A non-selective ion channel blocker with broad fungicidal activity. Amiodarone induces an immediate influx of Ca²⁺ in *Saccharomyces cerevisiae*, followed by mitochondrial fragmentation and cell death. Also acts as an autophagy inducer.

REFERENCE: Williams, A., *et al.* (2008). *Nat. Chem. Biol.* **4**, 295-305; Zhang, L., *et al.* (2007). *Proc. Natl. Acad. Sci. USA* **104**, 19023-19028.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Bafilomycin A1 (Cat. No. 1829-50, 250)
- Chloroquine Diphosphate (Cat. No. 1825-100, 500)
- Leupeptin Hemisulfate (Cat. No. 1648-25, 50,100)
- LY 294002 (Cat. No. 1667-5, 25)
- EZSolution™ LY 294002 (Cat. No. 1747-5)
- Niclosamide (Cat. No. 1826-100, 500)
- Pepstatin A (Cat. No. 1732-25, 100)
- Rapamycin (Cat. No. 1568-5, 50)
- Rottlerin (Cat. No. 1827-10)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Wortmannin (Cat. No. 1670-1)