

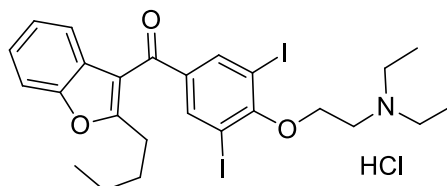
Catalog # 10-2468

Amiodarone HCl

CAS# 19774-82-4

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

Lot # X101830



Nonselective ion channel blocker. Class III antiarrhythmic.¹ Induces cytochrome c release and induces apoptosis.² An alkalizing agent which stimulates progranulin (GRN) production and prevents GRN-dependent neurodegeneration.³ Induces autophagy and suppresses hepatocellular carcinoma tumorigenesis via autophagy-mediated MIR224 degradation *in vitro* and *in vivo*.⁴

- 1) Yamase *et al.* (2012), *Effectiveness of amiodarone versus bepridil in achieving conversion to sinus rhythm in patients with persistent atrial fibrillation: a randomized trial*; Heart, **98** 1067
- 2) Di Matola *et al.* (2000), *Amiodarone induces cytochrome c release and apoptosis through an iodine-independent mechanism*; J. Clin. Endocrinol. Metab., **85** 4323
- 3) Capell *et al.* (2011), *Rescue of progranulin deficiency associated with frontotemporal lobar degeneration by alkalizing reagents and inhibition of vacuolar ATPase*; J. Neurosci., **31** 1885
- 4) Lan *et al.* (2014), *Autophagy-preferential degradation of MIR224 participates in hepatocellular carcinoma tumorigenesis*; Autophagy, **10** 1687

PHYSICAL DATA

Molecular Weight:	681.77
Molecular Formula:	C ₂₅ H ₂₉ I ₂ NO ₃ · HCl
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml) or Ethanol (up to 10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months

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