

Product Datasheet

Dronedarone hydrochloride (orb1309854)

Catalog Number	orb1309854
Category	Small Molecules
Description	Dronedarone hydrochloride (SR33589) is a structural analog of amiodarone developed for atrial fibrillation research. It functions as a multi-channel blocker, enabling in vitro electrophysiology studies and in vivo models of cardiac arrhythmia to investigate its mechanisms and therapeutic potential.
Target	Potassium Channel, Autophagy, Sodium Channel, Adrenergic Receptor, Calcium Channel
Purity	99.91%
MW	593.22
Target Areas	Adrenergic Receptor Calcium Channel Autophagy Sodium Channel Potassium Channel
Solubility (25°C)	H2O: 1 mg/mL (insoluble or slightly soluble); Ethanol: 38 mg/mL (64.06 mM); 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.37 mM); DMSO: 60 mg/mL (101.14 mM)
CAS Number	141625-93-6
Formula	C ₃₁ H ₄₄ N ₂ O ₅ ·HCl
SMILES	Cl.CS(=O)(=O)Nc1cc2c(c(oc2cc1)CCCC)C(=O)c1ccc(cc1)OCCCN(CCCC)CCCC
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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