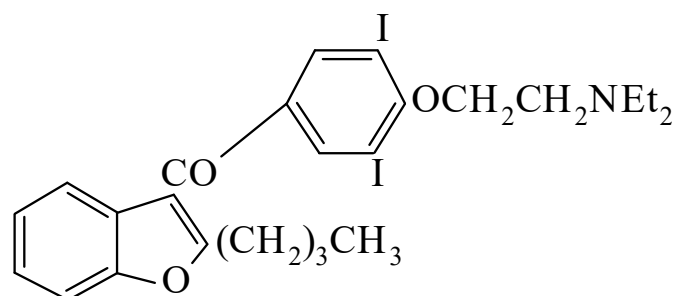




>>Entry Name: Amiodarone, BAN, INN, USAN

Synonym(s): (2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone, 9Cl. Amiodar. Corbionax. Cordarex. Cordarone. Ortacrone. Rhythmarone. Trangorex. L 3428. SKF 33 134A



CAS Registry Number: 1951-25-3

Molecular Formula: C₂₅H₂₉I₂NO₃

Molecular Weight: 645.318

Accurate Mass: 645.02369

Percentage Composition: C 46.53%; H 4.53%; I 39.33%; N 2.17%; O 7.44%

Biological Use/Importance: Antiarrhythmic (Class III) agent

Calculated Log P Data: Log P 8.75 (uncertain value) (calc)

Hazard & Toxicity: Adverse effects incl. pulmonary and hepatic toxicity, hypo- or hyperthyroidism, photosensitivity, skin pigmentation and corneal deposits. LD₅₀ (mus, ipr) 254 mg/kg

Sigma: A8423

>>Derivative: Hydrochloride

CAS Registry Number: 19774-82-4

Melting Point: Mp 156°

>>Derivative: N-De-Et

Synonym(s): Desethylamiodarone

CAS Registry Number: 83409-32-9

Extra CAS Registry Numbers(s): 96027-74-6

Molecular Formula: C₂₃H₂₅I₂NO₃

Molecular Weight: 617.264

Accurate Mass: 616.99239

Percentage Composition: C 44.75%; H 4.08%; I 41.12%; N 2.27%; O 7.78%

Source/Synthesis: Major human metabolite of amiodarone

Biological Use/Importance: Possesses Class III antiarrhythmic activity

Physical Description: No phys. props. found

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