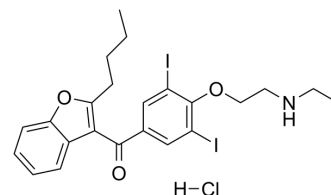


Desethylamiodarone hydrochloride

Cat. No.:	HY-130353
CAS No.:	96027-74-6
Molecular Formula:	C ₂₃ H ₂₆ ClI ₂ NO ₃
Molecular Weight:	653.72
Target:	Potassium Channel; Autophagy
Pathway:	Membrane Transporter/Ion Channel; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Desethylamiodarone hydrochloride (N-desethylamiodarone hydrochloride) is a major active metabolite of Amiodarone. Desethylamiodarone hydrochloride is formed by CYP3A isoenzymes. Amiodarone is an antiarrhythmic agent for inhibition of ATP-sensitive potassium channel with an IC₅₀ of 19.1 μM^{[1][2][3]}.

REFERENCES

- [1]. Shayeganpour A, et al. Determination of the enzyme(s) involved in the metabolism of amiodarone in liver and intestine of rat: the contribution of cytochrome P450 3A isoforms. *Drug Metab Dispos.* 2006 Jan;34(1):43-50.
- [2]. Singh, B.N. and E.M. Vaughan Williams, The effect of amiodarone, a new anti-anginal drug, on cardiac muscle. *Br J Pharmacol*, 1970. 39(4): p. 657-67.
- [3]. Rosenbaum, M.B., et al., Clinical efficacy of amiodarone as an antiarrhythmic agent. *Am J Cardiol*, 1976. 38(7): p. 934-44.

Caution: Product has not been fully validated for medical applications. For research use only.

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