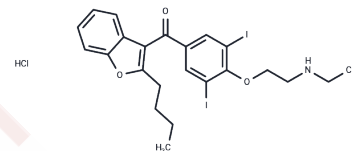


## Desethylamiodarone hydrochloride

## Chemical Properties

CAS No. :	96027-74-6
Formula:	C <sub>23</sub> H <sub>26</sub> ClI <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	653.72
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Desethylamiodarone hydrochloride (N-desethylamiodarone hydrochloride), formed by the CYP3A isozyme, is the main active metabolite of amiodarone, an antiarrhythmic drug that inhibits ATP-sensitive potassium channels with an IC <sub>50</sub> of 19.1 μM.
Targets(IC <sub>50</sub> )	Others, Autophagy, Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5297 mL	7.6485 mL	15.2971 mL
5 mM	0.3059 mL	1.5297 mL	3.0594 mL
10 mM	0.153 mL	0.7649 mL	1.5297 mL
50 mM	0.0306 mL	0.153 mL	0.3059 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- 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.
- 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.
- Rosenbaum, M.B., et al., Clinical efficacy of amiodarone as an antiarrhythmic agent. *Am J Cardiol*, 1976. 38(7): p. 934-44.

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