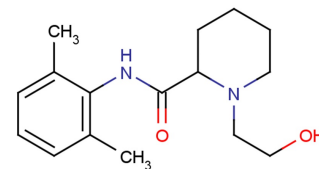


## Droxicainide

## Chemical Properties

CAS No.:	78289-26-6
Formula:	C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	276.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Droxicainide is an antiarrhythmic agent.
Targets(IC <sub>50</sub> )	Others: None
In vivo	In coronary artery occlusion studies, Droxicainide reduced the progression of hypoperfusion to necrosis and reduced the infarct size in dogs. Droxicainide reduces ansa node, atrioventricular excitability and contractility, and increases intractable studies on spontaneous beating atrium, electrical stimulation atrium and isolated papillary muscles in rats.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.618 mL	18.092 mL	36.183 mL
5 mM	0.724 mL	3.618 mL	7.237 mL
10 mM	0.362 mL	1.809 mL	3.618 mL
50 mM	0.072 mL	0.362 mL	0.724 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Faria DB, et al. Effects of lidocaine and droxicainide on myocardial necrosis: a comparative study. J Am Coll Cardiol. 1983 Jun;1(6):1447-52.
2. Helgesen KG, et al. Comparison of electrophysiological and mechanical effects of droxicainide and lidocaine on heart muscle isolated from rats. Acta Pharmacol Toxicol (Copenh). 1984 Oct;55(4):303-7.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481