

Product Data Sheet

Product Name: Disopyramide

Cat. No.: GC43478

Chemical Properties

Cas. No. 3737-09-5

SMILES O=C(N)C(C1=CC=CC=C1)(CCN(C(C)C)C(C)C)C2=CC=CC=N2

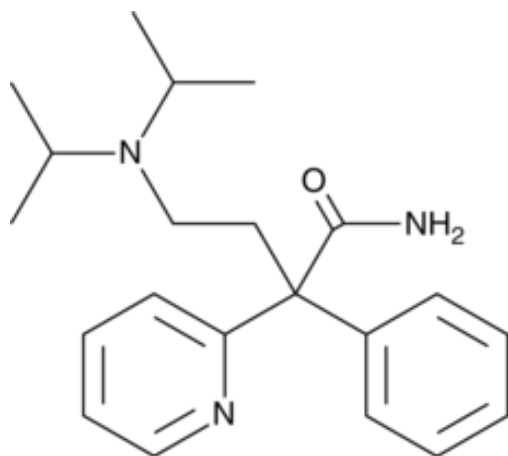
Formula C₂₁H₂₉N₃O M.Wt 339.5

Solubility Chloroform: slightly soluble, Ethanol: >1 mg/ml, Methanol: slightly soluble
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Disopyramide is a sodium channel blocker that, in rabbit ventricular myocytes, binds and dissociates from open channels more quickly than from resting channels. It is a class Ia antiarrhythmic agent that delays conduction through the AV node and ventricles of the dog heart both in vivo (3 and 5 mg/kg) and in vitro (1-2 mg/L). Formulations containing disopyramide have been used in the treatment of cardiac arrhythmias and hypertrophic cardiomyopathy.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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