Disopyramide
Item No. 23227

CAS Registry No.: 3737-09-5
Formal Name: α-[2-[bis(1-methylethyl)amino]ethyl]-
α-phenyl-2-pyridineacetamide
Synonyms: (±)-Disopyramide, Ritmilen, SC-7031
MF: C21H29N3O
FW: 339.5
Purity: ≥98%
UV/Vis.: λmax: 262 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Disopyramide is supplied as a crystalline solid. A stock solution may be made by dissolving the disopyramide in the solvent of choice. Disopyramide is soluble in ethanol at a concentration of > 1 mg/ml. Disopyramide is also slightly soluble in chloroform and methanol.

Description

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.

References