

Disopyramide, Sodium channel blocker

Catalog	Unit
TBI4302-50MG	50 mg
TBI4302-250MG	250 mg

Product Details

Formal Name: 4-(Diisopropylamino)-2-phenyl-2-(2-pyridyl)butyramide

Molecular Formula: C₂₁H₂₉N₃O

Formula Weight: 339.48

CAS Number: 3737-09-5

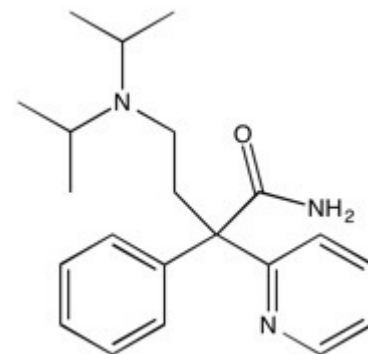
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or in ethanol (up to at least 35 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Sodium channel blocker

Functions

Disopyramide is a clinically useful sodium channel blocker used as an antiarrhythmic for treatment of ventricular tachycardia and hypertrophic cardiomyopathy. It decreases the rate of diastolic depolarization, decreases the upstroke velocity and increases the action potential duration of normal cardiac cells. It decreases the disparity between infarcted and normal myocardium refractory periods. Disopyramide has no effect on α or β -adrenergic receptors but does display significant anticholinergic effects.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or in ethanol (up to at least 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.