



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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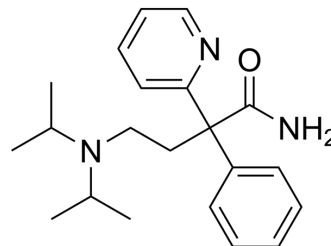
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## Disopyramide (Standard)

Cat. No.:	HY-12533R
CAS No.:	3737-09-5
Molecular Formula:	C <sub>21</sub> H <sub>29</sub> N <sub>3</sub> O
Molecular Weight:	339.47
Target:	Sodium Channel; Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Disopyramide (Standard) is the analytical standard of Disopyramide. This product is intended for research and analytical applications. Disopyramide (Dicorantil) is a class IA antiarrhythmic agent with efficacy in ventricular and atrial arrhythmias. Disopyramide blocks the fast inward sodium current of cardiac muscle and prolongs the duration of cardiac action potentials. Disopyramide inhibits HERG encoded potassium channels. Disopyramide also exhibits complex protein binding, and has a potent negative inotropic action<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. L A Siddoway, et al. Clinical Pharmacokinetics of Disopyramide. Clin Pharmacokinet. May-Jun 1986;11(3):214-22.
- [2]. A A Paul, et al. Inhibition of HERG Potassium Channel Current by the Class 1a Antiarrhythmic Agent Disopyramide. Biochem Biophys Res Commun. 2001 Feb 9;280(5):1243-50.
- [3]. S V Jones, et al. Non-competitive Effects of Disopyramide at the Neuromuscular Junction: Evidence for Endplate Ion Channel Block. Br J Anaesth. 1987 Jun;59(6):776-83.

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

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