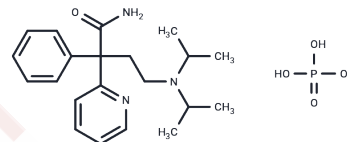


Disopyramide phosphate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 22059-60-5 |
| Formula: | C ₂₁ H ₃₂ N ₃ O ₅ P |
| Molecular Weight: | 437.47 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Disopyramide, a sodium channel blocker in the Class of 1a anti-arrhythmic agent, is used in the treatment of Ventricular Tachycardia. Disopyramide has a negative inotropic effect on the ventricular myocardium, resulting in a significant decrease in contractility. |
| Targets(IC50) | Others,Potassium Channel,Sodium Channel |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: Insoluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.2859 mL | 11.4294 mL | 22.8587 mL |
| 5 mM | 0.4572 mL | 2.2859 mL | 4.5717 mL |
| 10 mM | 0.2286 mL | 1.1429 mL | 2.2859 mL |
| 50 mM | 0.0457 mL | 0.2286 mL | 0.4572 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Anzawa R, Ishikawa S, Tanaka Y, Okazaki F, Mochizuki S. Increased AAI mode pacing threshold after termination of atrial fibrillation by acute administration of disopyramide phosphate. *Europace*. 2006 May;8(5):345-8. PubMed PMID: 16635993.

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Tsuchioka Y, Nakagawa H, Yamagata T, Sakura E, Hashimoto M, Okamoto M, Matsuura H, Kajiyama G. [Effects of verapamil and disopyramide phosphate on the termination, reinduction and long-term prevention of paroxysmal supraventricular tachycardia]. *Kokyu To Junkan*. 1990 Mar;38(3):243-8. Japanese. PubMed PMID: 2109870.

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