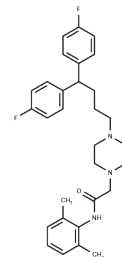


Lidoflazine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 3416-26-0 |
| Formula: | C30H35F2N3O |
| Molecular Weight: | 491.62 |
| 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 | Lidoflazine is a high-affinity blocker of the HERG K ⁺ channel and is an antianginal calcium channel blocker. It carries an obvious risk of QT interval prolongation and ventricular arrhythmia. |
| Targets(IC50) | Calcium Channel, Potassium Channel |
| In vitro | Lidoflazine inhibits effectively HERG current (I _{HERG}). This recorded from HEK 293 cells stably expressing wild-type HERG (IC ₅₀ : ~16 nM). |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0341 mL | 10.1705 mL | 20.3409 mL |
| 5 mM | 0.4068 mL | 2.0341 mL | 4.0682 mL |
| 10 mM | 0.2034 mL | 1.017 mL | 2.0341 mL |
| 50 mM | 0.0407 mL | 0.2034 mL | 0.4068 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

<https://www.ncbi.nlm.nih.gov/pubmed/15135665>

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481