
Product Data Sheet

Product Name: Lidoflazine

Cat. No.: GC38537

Chemical Properties

Cas. No. 3416-26-0

SMILES O=C(NC1=C(C)C=CC=C1C)CN2CCN(CCCC(C3=CC=C(F)C=C3)C4=CC=C(F)C=C4)CC2

Formula $C_{30}H_{35}F_2N_3O$ M.Wt 491.62

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , Condition or blue ice upon request.

Structure

Background

Lidoflazine is a high affinity blocker of the HERG (human ether-a-go-go-related gene) K⁺ channel. Lidoflazine is an antianginal calcium channel blocker that carries a significant risk of QT interval prolongation and ventricular arrhythmia[1].

Lidoflazine inhibits potently HERG current (I_{HERG}) recorded from HEK 293 cells stably expressing wild-type HERG (IC₅₀ of ~16 nM).

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA