

Product Data Sheet

Product Name: VU0405601

Cat. No.: GC70428

Chemical Properties

Cas. No. 712325-30-9

Formula $C_{17}H_{13}BrN_2O_2$

M.Wt 357.2

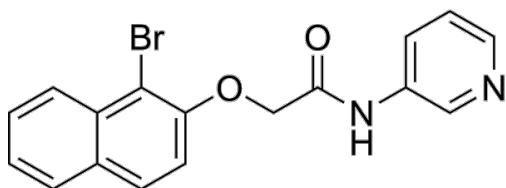
Solubility

Storage

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

Structure



Background

VU0405601 is a potent KV11.1 channel activator. VU0405601 protects cardiac tissue from dofetilide-induced ventricular tachycardia.

VU0405601 (5 μM; pretreated for 30 min before 100 nm dofetilide) protects cardiac tissue from dofetilide-induced ventricular tachycardia^[2].

VU0405601 (50 μM) can be used as a hERG agonist and increases test pulse and tail currents, increases the IC₅₀ of dofetilide from 38.7 to 76.3 nm^[2].

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

Product Data Sheet

References:

- [1]. Egly CL, et al. A High-Throughput Screening Assay to Identify Drugs that Can Treat Long QT Syndrome Caused by Trafficking-Deficient KV11.1 (hERG) Variants. Mol Pharmacol. 2022 Apr;101(4):236-245.
- [2]. Potet F, et al. Identification and characterization of a compound that protects cardiac tissue from human Ether-à-go-go-related gene (hERG)-related drug-induced arrhythmias. J Biol Chem. 2012 Nov 16;287(47):39613-25.

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