
Product Data Sheet

Product Name: CX 614
Cat. No.: GC50111

Chemical Properties

Cas. No. 191744-13-5

SMILES O=C2N4C(CCC4)OC1=CC3=C(OCCO3)C=C12

Formula $C_{13}H_{13}NO_4$

M.Wt 247.25

Solubility DMSO : 10 mg/mL (40.44 mM; ultrasonic and warming and heat to 60°C)

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

Structure

Background

AMPAkine; positive allosteric modulator of AMPA. Prototypical benzamide which occupies subsite A only. Modulates channel deactivation and desensitization.

Harms et al (2013) Functional analysis of a novel positive allosteric modulator of AMPA receptors derived from a structure-based drug design strategy. Neuropharmacology 64 45 PMID:22735771 |Timm et al (2011) Structural and functional analysis of two new positive allosteric modulators of GluA2 desensitization and deactivation. Mol.Pharmacol. 80 267 PMID:21543522 |Hennegriff et al (1997) Stable expression of recombinant AMPA receptor subunits: binding affinities and effects of allosteric modulators. J.Neurochem. 68 2424 PMID:9166736

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