
Product Data Sheet

Product Name: AMPA receptor modulator-3

Cat. No.: GC68438

Chemical Properties

Cas. No. 211311-39-6

Formula $C_{18}H_{22}FNO_2S$

M.Wt 335.44

Solubility DMSO : 250 mg/mL (745.29 mM; Need ultrasonic) 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

AMPA receptor modulator-3 is an allosteric **AMPA** receptor modulator (**EC₅₀**: 4.4 μM). AMPA receptor modulator-3 can be used in the research of mammalian nervous system, such as learning and memory^{[1][2]}.

AMPA receptor modulator-3 (Compound 5e) shows an EC₅₀ value of 4.4 μM for potentiation of responses mediated by 100 μM L-glutamate in HEK-293 cells expressing iGluR4 flip^[2].

[1]. Kasper Harpsøe, et al. Prediction of the binding mode of biarylpropylsulfonamide allosteric AMPA receptor modulators based on docking, GRID molecular interaction fields and 3D-QSAR analysis. J Mol Graph Model. 2008 Jan;26(5):874-83. <https://pubmed.ncbi.nlm.nih.gov/17111111/>

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