DQP-1105

Cat. No.: HY-107711

CAS No.: 380560-89-4

Molecular Formula: $C_{29}H_{24}BrN_3O_4$

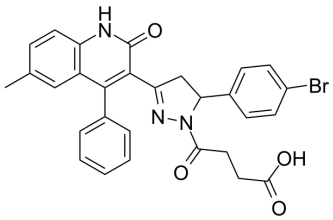
Molecular Weight: 558.42

Target: iGluR

Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (17.91 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7908 mL	8.9538 mL	17.9077 mL
	5 mM	0.3582 mL	1.7908 mL	3.5815 mL
	10 mM	0.1791 mL	0.8954 mL	1.7908 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

DQP-1105 is a potent noncompetitive NMDA receptor antagonist. DQP-1105 inhibits GluN2C- and GluN2D-containing receptors (IC_{50}=7.0 and 2.7 μM, respectively). The IC_{50} values are at least 50-fold lower than those for recombinant GluN2A-, GluN2B-, GluA1-, or GluK2-containing receptors[1].

REFERENCES

[1]. Acker TM, et al. Mechanism for noncompetitive inhibition by novel GluN2C/D N-methyl-D-aspartate receptor subunit-selective modulators. Mol Pharmacol. 2011;80(5):782-795.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA