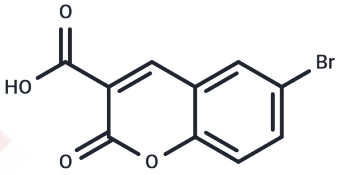
Data Sheet (Cat.No.T19881)

TargetMol

UBP608

Chemical Properties



CAS No. : 2199-87-3

Formula: C10H5BrO4

Molecular Weight: 269.05

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	UBP608 is an allosteric modulator of NMDA receptor family. It selectively inhibits GluN1/GluN2A receptors with a 23-fold selectivity compared to GluN1/GluN2D receptors.
Targets(IC50)	Others,iGluR

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7168 mL	18.5839 mL	37.1678 mL
5 mM	0.7434 mL	3.7168 mL	7.4336 mL
10 mM	0.3717 mL	1.8584 mL	3.7168 mL
50 mM	0.0743 mL	0.3717 mL	0.7434 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Monaghan DT, Irvine MW, Costa BM, Fang G, Jane DE. Pharmacological modulation of NMDA receptor activity and the advent of negative and positive allosteric modulators. Neurochem Int. 2012 Sep;61(4):581-92. doi: 10.1016/j.neuint.2012.01.004. Epub 2012 Jan 17. Review. PubMed PMID: 22269804; PubMed Central PMCID: PMC3360989.

Irvine MW, Costa BM, Volianskis A, Fang G, Ceolin L, Collingridge GL, Monaghan DT, Jane DE. Coumarin-3-carboxylic acid derivatives as potentiators and inhibitors of recombinant and native N-methyl-D-aspartate receptors. Neurochem Int. 2012 Sep;61(4):593-600. doi: 10.1016/j.neuint.2011.12.020. Epub 2012 Jan 13. PubMed PMID: 22265875; PubMed Central PMCID: PMC3394894.

Costa BM, Irvine MW, Fang G, Eaves RJ, Mayo-Martin MB, Laube B, Jane DE, Monaghan DT. Structure-activity relationships for allosteric NMDA receptor inhibitors based on 2-naphthoic acid. Neuropharmacology. 2012 Mar;62(4):1730-6. doi: 10.1016/j.neuropharm.2011.11.019. Epub 2011 Dec 6. PubMed PMID: 22155206; PubMed Central PMCID: PMC3269548.

Costa BM, Irvine MW, Fang G, Eaves RJ, Mayo-Martin MB, Skifter DA, Jane DE, Monaghan DT. A novel family of negative and positive allosteric modulators of NMDA receptors. J Pharmacol Exp Ther. 2010 Dec;335(3):614-21. doi: 10.1124/jpet.110.174144. Epub 2010 Sep 21. PubMed PMID: 20858708; PubMed Central PMCID: PMC2993558.