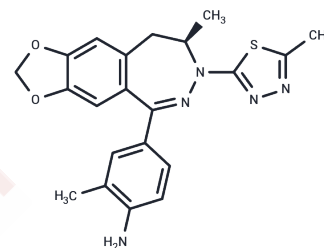


BDZ-g

Chemical Properties

CAS No. : 732278-52-3
 Formula: C₂₁H₂₁N₅O₂S
 Molecular Weight: 407.49
 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	BDZ-g is a potent and selective antagonist of AMPA receptor. BDZ-g can be used for the research of various neurological disorders involving excessive activity of AMPA receptors.
Targets(IC50)	iGluR

Solubility Information

Solubility	DMSO: 4.8 mg/mL (11.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.454 mL	12.2702 mL	24.5405 mL
5 mM	0.4908 mL	2.454 mL	4.9081 mL
10 mM	0.2454 mL	1.227 mL	2.454 mL
50 mM	0.0491 mL	0.2454 mL	0.4908 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

Wang C, et al. Mechanism and site of inhibition of AMPA receptors: pairing a thiaziazole with a 2,3-benzodiazepine scaffold. ACS Chem Neurosci. 2014;5(2):138-147.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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