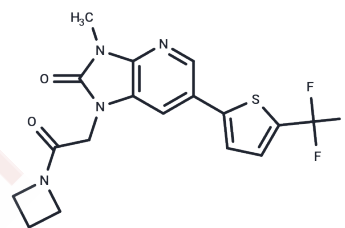


GluN2B receptor modulator-1

Chemical Properties

CAS No. :	2222010-71-9
Formula:	C17H15F3N4O2S
Molecular Weight:	396.39
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	GluN2B receptor modulator-1 is a potent and selective allosteric negative modulator of the GluN2B subunit of NMDA receptors, exhibiting an IC50 value of 31 nM, enabling specific modulation of subunit-specific allosteric control over the transmembrane ion channel pores of the NMDARs. providing a valuable tool in neuropharmacology and receptor-specific mechanisms relevant in the study of neurological diseases.
Targets(IC50)	NMDAR,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5228 mL	12.6138 mL	25.2277 mL
5 mM	0.5046 mL	2.5228 mL	5.0455 mL
10 mM	0.2523 mL	1.2614 mL	2.5228 mL
50 mM	0.0505 mL	0.2523 mL	0.5046 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

Chrovian CC, et al. Design, Synthesis, and Preclinical Evaluation of 3-Methyl-6-(5-thiophenyl)-1,3-dihydro-imidazo [4,5-b]pyridin-2-ones as Selective GluN2B Negative Allosteric Modulators for the Treatment of Mood Disorders. J Med Chem. 2020 Sep 10;63(17):9181-9196.

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