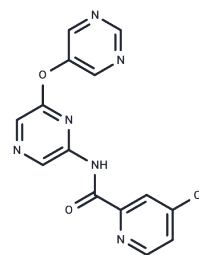


VU0431316

Chemical Properties

CAS No. : 1620203-63-5
 Formula: C₁₄H₉ClN₆O₂
 Molecular Weight: 328.71
 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	VU0431316 is a negative mGlu5 allosteric modulator. It has activity in a mouse model of anxiety.
Targets(IC50)	Others,GluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0422 mL	15.211 mL	30.422 mL
5 mM	0.6084 mL	3.0422 mL	6.0844 mL
10 mM	0.3042 mL	1.5211 mL	3.0422 mL
50 mM	0.0608 mL	0.3042 mL	0.6084 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

Bates BS, Rodriguez AL, Felts AS, Morrison RD, Venable DF, Blobaum AL, Byers FW, Lawson KP, Daniels JS, Niswender CM, Jones CK, Conn PJ, Lindsley CW, Emmitte KA. Discovery of VU0431316: a negative allosteric modulator of mGlu5 with activity in a mouse model of anxiety. *Bioorg Med Chem Lett*. 2014 Aug 1;24(15):3307-14. doi: 10.1016/j.bmcl.2014.06.003. Epub 2014 Jun 11. PubMed PMID: 24969015; PubMed Central PMCID: PMC4090943.

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