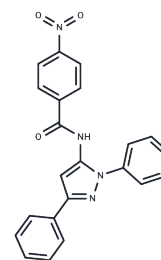


VU-29

Chemical Properties

CAS No. : 890764-36-0
 Formula: C₂₂H₁₆N₄O₃
 Molecular Weight: 384.39
 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	VU-29 is a positive allosteric mGlu5 receptor modulator with an EC ₅₀ of 9 nM and a K _i of 244 nM for rmGluR5. It is selective for mGluR5 relative to other mGluR subtypes [EC ₅₀ : rmGluR1/rmGluR2=557 nM/1.5 μM; hmGluR4=154 nM].
Targets(IC ₅₀)	GluR

Solubility Information

Solubility	DMSO: 25 mg/mL (65.04 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	2.6015 mL	13.0076 mL	26.0152 mL
5 mM	0.5203 mL	2.6015 mL	5.203 mL
10 mM	0.2602 mL	1.3008 mL	2.6015 mL
50 mM	0.052 mL	0.2602 mL	0.5203 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

Chen Y , Nong Y , Goudet C , et al. Interaction of novel positive allosteric modulators of metabotropic glutamate receptor 5 with the negative allosteric antagonist site is required for potentiation of receptor responses.[J]. Molecular Pharmacology, 2007, 71(5):1389-1398.

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