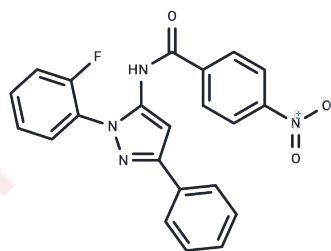


VU-1545

## Chemical Properties

CAS No. : 890764-63-3  
 Formula: C<sub>22</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 402.38  
 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-1545 is mGlu5 positive allosteric modulator.
Targets(IC50)	GluR

## Solubility Information

Solubility	DMSO: 50 mg/mL (124.26 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	2.4852 mL	12.4261 mL	24.8521 mL
5 mM	0.497 mL	2.4852 mL	4.9704 mL
10 mM	0.2485 mL	1.2426 mL	2.4852 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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

Paulis T D , Hemstapat K , Chen Y , et al. Substituent effects of N-(1,3-diphenyl-1H-pyrazol-5-yl)benzamides on positive allosteric modulation of the metabotropic glutamate-5 receptor in rat cortical astrocytes.[J]. Journal of Medicinal Chemistry, 2006, 49(11):3332-44.

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