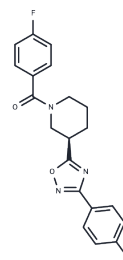


(R)-ADX-47273

## Chemical Properties

CAS No. : 851881-59-9  
 Formula: C<sub>20</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 369.36  
 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	(R)-ADX-47273 is a potent positive allosteric modulator of mGluR5, with an EC <sub>50</sub> of 168 nM for potentiation.
Targets(IC <sub>50</sub> )	GluR

## Solubility Information

Solubility	DMSO: 95 mg/mL (257.2 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	2.7074 mL	13.5369 mL	27.0739 mL
5 mM	0.5415 mL	2.7074 mL	5.4148 mL
10 mM	0.2707 mL	1.3537 mL	2.7074 mL
50 mM	0.0541 mL	0.2707 mL	0.5415 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

Engers DW, et al. Synthesis, SAR and unanticipated pharmacological profiles of analogues of the mGluR5 ago-potentiator ADX-4727. *ChemMedChem*. 2009 Apr;4(4):505-11.

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