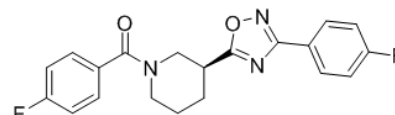


**Product Name** : ADX-47273  
**Cat. No.** : PC-43360  
**CAS No.** : 851881-60-2  
**Molecular Formula** : C<sub>20</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 369.3647  
**Target** : mGluR  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

ADX-47273 is a potent and selective mGlu5 positive allosteric modulators (PAM) with with EC<sub>50</sub> of 170 nM; causes a concentration-dependent increase in the response to 300 nM glutamate in primary astrocyte cultures with EC<sub>50</sub> of 230 nM; displays no agonist, antagonist, or allosteric responses against rat mGlu1, human mGlu2 and mGlu4; increases ERK and CREBP phosphorylation in hippocampus and prefrontal cortex, demonstrates antipsychotic-like and procognitive activities in vivo models.

## References

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Engers DW, et al. ChemMedChem. 2009 Apr;4(4):505-11.  
Rosenbrock H, et al. Eur J Pharmacol. 2010 Aug 10;639(1-3):40-6.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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