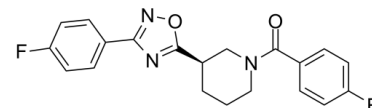


Data Sheet

Product Name:	(R)-ADX-47273
Cat. No.:	CS-0047681
CAS No.:	851881-59-9
Molecular Formula:	C ₂₀ H ₁₇ F ₂ N ₃ O ₂
Molecular Weight:	369.36
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

(R)-ADX-47273 is a potent **mGluR5** positive allosteric modulator, with an **EC₅₀** of 168 nM for potentiation. **IC₅₀ & Target: EC₅₀: 168 nM (mGluR5)**^[1]. **In Vitro:** (R)-ADX-47273 (ADX-47273 (5)) is a potent mGluR5 positive allosteric modulator with an **EC₅₀** for potentiation of 168 nM and a 9-fold shift of the glutamate response curve at 1 μ M^[1].

References:

[1]. Engers DW, et al. Synthesis, SAR and unanticipated pharmacological profiles of analogues of the mGluR5 ago-potentiator ADX-47273. ChemMedChem. 2009 Apr;4(4):505-11.

CAIndexNames:

Methanone, (4-fluorophenyl)[(3R)-3-[3-(4-fluorophenyl)-1,2,4-oxadiazol-5-yl]-1-piperidinyl]-

SMILES:

O=C(N1C[C@H](C2=NC(C3=CC=C(C=C3)F)=NO2)CCC1)C4=CC=C(C=C4)F

Caution: Product has not been fully validated for medical applications. For research use only.

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