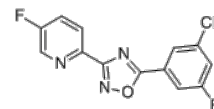


Product Name : AZD9272
Cat. No. : PC-60792
CAS No. : 327056-26-8
Molecular Formula : C₁₄H₆F₂N₄O
Molecular Weight : 284.226
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

AZD9272 is a potent, selective, highly CNS-penetrant and orally available **mGluR5** negative allosteric modulator K_d of 2.8 nM.

AZD9272 does not elicit any agonist, antagonist or positive allosteric modulator on any of the other seven mGluR subtypes at 30 μM.

AZD9272 completely reverses the glutamate-stimulated phosphatidylinositol hydrolysis in human mGluR5-GHEK cells with IC₅₀ of 26 nM.

AZD9272 causes psychoactive effects selectively mediated by mGluR5 mechanisms in vivo,

References

Raboisson P, et al. *Bioorg Med Chem Lett*. 2012 Nov 15;22(22):6974-9.

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

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