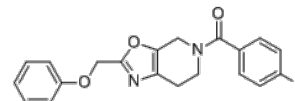


Product Name : JNJ-46778212
Cat. No. : PC-60696
CAS No. : 1363281-27-9
Molecular Formula : C₂₀H₁₇FN₂O₃
Molecular Weight : 352.365
Target : mGluR
Solubility : 100 mM in DMSO (35.2 mg/mL)



Biological Activity

JNJ-46778212 (VU0409551) is a potent, selective, CNS penetrant and orally bioavailable **mGlu5** positive allosteric modulator that potentiates human mGlu5 with EC₅₀ of 260 nM.

JNJ-46778212 potentiates DHPG-induced long-term depression and induces calcium mobilization and ERK phosphorylation, does not potentiate mGlu5 modulation of NMDA receptor currents nor NMDA receptor-dependent long-term potentiation.

JNJ-46778212 demonstrates in vivo efficacy in multiple preclinical models of schizophrenia, coupled with good DMPK profile and acceptable therapeutic window.

References

Conde-Ceide S, et al. *ACS Med Chem Lett.* 2015 May 20;6(6):716-20.

Zhou Y, et al. *Bioorg Med Chem Lett.* 2015 Sep 1;25(17):3515-9.

Conde-Ceide S, et al. *Bioorg Med Chem Lett.* 2016 Jan 15;26(2):429-434.

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

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