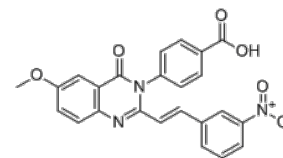


Product Name : QNZ46
Cat. No. : PC-73198
CAS No. : 1237744-13-6
Molecular Formula : C₂₄H₁₇N₃O₆
Molecular Weight : 443.42
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

QNZ46 is a noncompetitive antagonist of NMDA receptor, selectively inhibits **GluN2C/D-containing receptors** with IC₅₀ of 3.2/3.9 μM, respectively.

QNZ46 inhibits NMDA receptor function in a noncompetitive and voltage-independent manner by an unconventional mechanism that requires binding of glutamate to the GluN2 subunit, but not glycine binding to the GluN1 subunit.]

QNZ46 also prolongs deactivation of responses to the partial agonist NMDA in the continuous presence of glycine, prolongs receptor deactivation time.

References

Kasper B Hansen, et al. *J Neurosci.* 2011 Mar 9;31(10):3650-61.

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

E-mail: tech@probechem.com