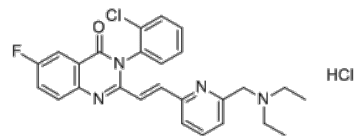


Product Name : CP-465022
Cat. No. : PC-61727
CAS No. : 199655-36-2
Molecular Formula : C₂₆H₂₄ClFN₄O
Molecular Weight : 462.95
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

CP-465022 is a potent, selective, noncompetitive AMPA receptor (**AMPA**) antagonist with IC₅₀ of 36 nM. CP-465022 displays selectivity over kainate and NMDA receptors. CP-465022 inhibits AMPA receptor-mediated currents in rat cortical neurons with IC₅₀ of 25 nM. CP-465022 displays potent anticonvulsant activity in vivo.

References

- Menniti FS, et al. Mol Pharmacol. 2000 Dec;58(6):1310-7.
Welch WM, et al. Bioorg Med Chem Lett. 2001 Jan 22;11(2):177-81.
Lazzaro JT, et al. Neuropharmacology. 2002 Feb;42(2):143-53.

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

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