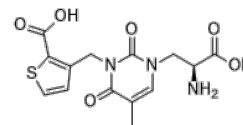


Product Name : UBP310
Cat. No. : PC-27551
CAS No. : 902464-46-4
Molecular Formula : C₁₄H₁₅N₃O₆S
Molecular Weight : 353.35
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

UBP310 is a high affinity, selective antagonist of kainate receptor GluR5 with K_d of 130 nM, has >800-fold selectivity over GluR2 and GluR6, binds to GluK1 with K_D of 21 nM, but shows no specific binding to GluK2.

UBP310 also effectively blocks recombinant homomeric GluK3 receptors, but not homomeric GluK2 or heteromeric GluK2/3 receptors.

UBP310 is an antagonist of recombinant GluK2/GluK5 receptors, significantly reduces the sustained depolarization and impacts on spike transmission mediated by heterosynaptic signals in hippocampal mossy fiber (MF) CA3 synapses.

References

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Atlason PT, et al. Mol Pharmacol. 2010 Dec;78(6):1036-45.

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

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