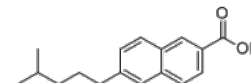


Product Name : UBP684
Cat. No. : PC-49068
CAS No. : 1357838-47-1
Molecular Formula : C₁₇H₂₀O₂
Molecular Weight : 256.345
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

UBP684 is a positive allosteric modulator of N-methyl-D-aspartate receptor (**NMDAR**), potentiates GluN2A-D NMDAR responses evoked by low agonist concentrations L-glutamate and glycine with EC₅₀ values of 30 μ M, and a maximal potentiation of 69 to 117%.

UBP684 is use-independent pan-NMDA receptor allosteric potentiator.

UBP684 increases channel open probability and slows receptor deactivation.

UBP684 stabilizes the active form of the GluN2 ligand-binding domain.

References

Sapkota K, et al. *Neuropharmacology*. 2017 Oct;125:64-79.

Chopra DA, et al. *Sci Rep*. 2017 Jul 31;7(1):6933.

Irvine MW, et al. *Eur J Med Chem*. 2019 Feb 15;164:471-498.

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

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