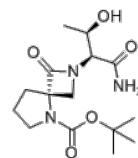


Product Name : Zelquistinel
Cat. No. : PC-21853
CAS No. : 2151842-64-5
Molecular Formula : C₁₅H₂₅N₃O₅
Molecular Weight : 327.38
Target : iGluR
Solubility : 10 mM in DMSO



CAS: 2151842-64-5

Biological Activity

Zelquistinel (AGN-241751) is an orally active NMDAR allosteric modulator, exhibits antidepressant-like activity via positive modulation of GluN2B containing NMDARs in mPFC excitatory neurons.

Zelquistinel (AGN-241751) (3-60 nM) potentiated NMDA-induced [Ca²⁺]_i and inhibited responses at concentrations ≥100 nM, potentiates NMDA- or glutamate-induced changes in intracellular calcium.

Zelquistinel (AGN-241751), co-applied with NMDA, increases intracellular calcium in the presence of MDL 105,519.

Zelquistinel (AGN-241751) potentiates NMDAR-mediated excitatory postsynaptic currents and facilitates long-term potentiation in mPFC.

Zelquistinel (AGN-241751) dose-dependently produces and long-lasting antidepressant-like response, restores social approach behavior in stress-susceptible mice.

References

Burgdorf JS, et al. Int J Neuropsychopharmacol. 2022 Dec 12;25(12):979-991.

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

E-mail: tech@probechem.com