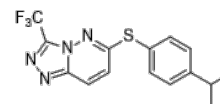


Product Name : UCM-A86
Cat. No. : PC-26121
CAS No. : 1210899-51-6
Molecular Formula : C₁₅H₁₃F₃N₄S
Molecular Weight : 338.35
Target : iGluR
Solubility : 10 mM in DMSO



CAS: 1210899-51-6

Biological Activity

UCM-A86 is a selective positive allosteric modulator (**PAM**) of **GluN1/GluN3 NMDA receptors** with EC₅₀ of 21 μM and 19 μM at GluN1/GluN3A and GluN1/GluN3B receptors, respectively, selective over GluN1/GluN2A-D receptors.

UCM-A86 selectively potentiates GluN1/GluN3A and GluN1/GluN3B receptors by 436% and 174%, respectively, relative to activation by glycine, with no activity at GluN1/GluN2A-D receptors.

UCM-A86 selectively potentiates responses from native GluN1/GluN3A receptors expressed in somatostatin-expressing interneurons of the somatosensory cortex with no modulation of hippocampal AMPA receptor-mediated and GluN1/2 NMDA receptor-mediated excitatory postsynaptic currents.

UCM-A86 demonstrates specific modulation of GluN3-containing NMDA receptors without affecting GluN2-containing NMDA receptors or AMPA receptors.

References

Benton AJ, et al. *Mol Pharmacol*. 2026 Jan 23;108(3):100103.

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

E-mail: tech@probechem.com