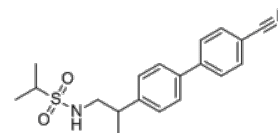


Product Name : LY-404187
Cat. No. : PC-61724
CAS No. : 211311-95-4
Molecular Formula : C₁₉H₂₂N₂O₂S
Molecular Weight : 342.45
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

LY-404187 is a potent, selective, positive allosteric modulator of **AMPA receptor** (AMPA) with EC₅₀ of 1.3 μM.

LY-404187 selectively enhances glutamate-evoked currents through AMPA receptor/channels of acutely isolated pyramidal neurons.

LY-404187 has been demonstrated to enhance cognitive function in animal studies, and has also shown effects suggesting antidepressant action as well as having possible application in the treatment of schizophrenia, Parkinson's disease and ADHD.

References

Baumbarger PJ, et al. J Pharmacol Exp Ther. 2001 Jul;298(1):86-102.

Miu P, et al. Neuropharmacology. 2001 Jun;40(8):976-83.

O'Neill MJ, et al. Eur J Pharmacol. 2004 Feb 20;486(2):163-74.

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

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