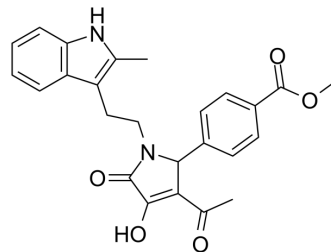


PYD-106

| | |
|--------------------|---|
| Cat. No.: | HY-117734 |
| CAS No.: | 1560894-05-4 |
| Molecular Formula: | C ₂₅ H ₂₄ N ₂ O ₅ |
| Molecular Weight: | 432.47 |
| Target: | iGluR |
| Pathway: | Membrane Transporter/Ion Channel; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

PYD-106 is a stereoselective pyrrolidinone (PYD) positive allosteric modulator for GluN2C-containing NMDA receptors. PYD-106 increases opening frequency and open time of single channel currents activated by maximally effective concentrations of agonist but only has modest effects on glutamate and glycine EC₅₀. PYD-106 selectively enhances the responses of diheteromeric GluN1/GluN2C receptors but not triheteromeric GluN1/GluN2A/GluN2C receptors^[1].

REFERENCES

[1]. Khatri A, et al. Structural determinants and mechanism of action of a GluN2C-selective NMDA receptor positive allosteric modulator. *Mol Pharmacol.* 2014;86(5):548-560.

Caution: Product has not been fully validated for medical applications. For research use only.

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