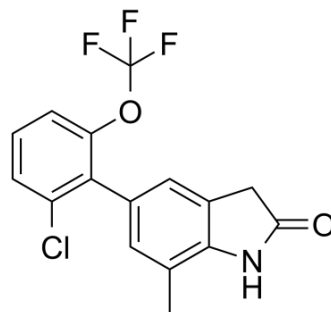


## AMPA Receptor Modulator-1

Cat. No.:	HY-112699
CAS No.:	2036074-41-4
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> ClF <sub>3</sub> NO <sub>2</sub>
Molecular Weight:	341.71
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	AMPA Receptor Modulator-1 is a potent, oral active and selective AMPAR regulatory protein TARP $\gamma$ -8 negative modulator with a pIC <sub>50</sub> of 9.7, more selective over GluA1/ $\gamma$ -2 (pIC <sub>50</sub> =5) <sup>[1]</sup> .
IC <sub>50</sub> & Target	pIC <sub>50</sub> : 9.7 (TARP $\gamma$ -8) <sup>[1]</sup>

### REFERENCES

[1]. Ravula S, et al. Lead Optimization of 5-Aryl Benzimidazolone- and Oxindole-Based AMPA Receptor Modulators Selective for TARP  $\gamma$ -8. ACS Med Chem Lett. 2018 Jul 13;9(8):821-826.

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

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