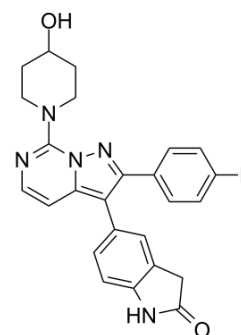


## JNJ-61432059

Cat. No.:	HY-111751
CAS No.:	2035814-50-5
Molecular Formula:	C <sub>25</sub> H <sub>22</sub> FN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	443.47
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

JNJ-61432059 is an oral active and selective negative modulator of AMPAR associated with trans-membrane AMPAR regulatory protein (TARP)  $\gamma$ -8, with a  $pIC_{50}$  of 9.7 for GluA1/ $\gamma$ -8. Exhibits time- and dose-dependent AMPAR/ $\gamma$ -8 receptor occupancy in mouse hippocampus, resulting in robust seizure protection in corneal kindling and pentylenetetrazole (PTZ) anticonvulsant models<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

$pIC_{50}$ : 9.7 (AMPAR)<sup>[1]</sup>.

### REFERENCES

[1]. Savall BM, et al. Discovery of Imidazo[1,2-a]pyrazines and Pyrazolo[1,5-c]pyrimidines as TARP  $\gamma$ -8 Selective AMPAR Negative Modulators. ACS Med Chem Lett. 2018 Dec 26;10(3):267-272.

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

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