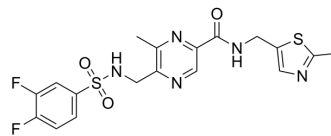


## MPX-007

Cat. No.:	HY-116483
CAS No.:	1688685-29-1
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> F <sub>2</sub> N <sub>5</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	453.49
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

<b>Description</b>	MPX-007 is a GluN2A antagonist (IC <sub>50</sub> : 27 nM). MPX-007 is a tool to probe GluN2A physiology, and to study neuropsychiatric and developmental disorders <sup>[1]</sup> .
<b>In Vitro</b>	MPX-007 inhibits NMDA receptor-mediated currents in <i>Xenopus</i> oocytes expressing human GluN1 + GluN2A, with an IC <sub>50</sub> of 143 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Volkman RA, et al. MPX-004 and MPX-007: New Pharmacological Tools to Study the Physiology of NMDA Receptors Containing the GluN2A Subunit. *PLoS One*. 2016 Feb 1;11(2):e0148129.

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

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