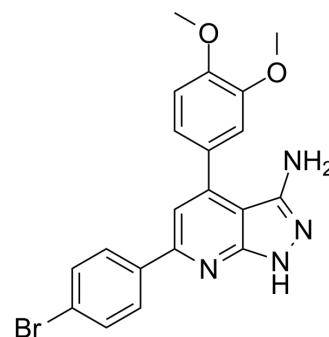


## hAChE-IN-6

<b>Cat. No.:</b>	HY-155366
<b>CAS No.:</b>	3007667-17-3
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>17</sub> BrN <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	425.28
<b>Target:</b>	Cholinesterase (ChE); GSK-3
<b>Pathway:</b>	Neuronal Signaling; PI3K/Akt/mTOR; Stem Cell/Wnt
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	hAChE-IN-6 (compound 51) is a brain penetrant AChE inhibitor with an IC <sub>50</sub> of 0.16 μM. hAChE-IN-6 also inhibits hBuChE and GSK3β with IC <sub>50</sub> values of 0.69 μM and 0.26 μM, respectively. hAChE-IN-6 inhibits tau protein and Aβ1-42 self-aggregation, and can be used for Alzheimer's disease (AD) research <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	hAChE 0.16 μM (IC <sub>50</sub> )	hBCHE 0.69 μM (IC <sub>50</sub> )	GSK-3β 0.26 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Omnia M Waly, et al. Multi-targeted anti-Alzheimer's agents: Synthesis, biological evaluation, and molecular modeling study of some pyrazolopyridine hybrids. *Eur J Med Chem.* 2023 Oct 20;262:115880.

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

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