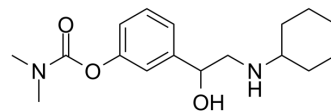


## AChE/BChE-IN-4

Cat. No.:	HY-146664
CAS No.:	2294963-47-4
Molecular Formula:	C <sub>17</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	306.4
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	AChE/BChE-IN-4 (BMC-3) is a dual AChE and BChE inhibitor with IC <sub>50</sub> values of 792 nM and 2.2 nM against human AChE (hAChE) and human BChE (hBChE), respectively. AChE/BChE-IN-4 can cross the BBB <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 2.2 nM (hBChE), 792 nM (hAChE) <sup>[1]</sup>

### REFERENCES

[1]. Wu J, et al. Design, synthesis and biological evaluation of novel carbamates as potential inhibitors of acetylcholinesterase and butyrylcholinesterase. *Bioorg Med Chem.* 2020 Mar 1;28(5):115324.

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

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