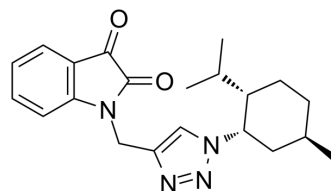


## BuChE-IN-6

<b>Cat. No.:</b>	HY-146251
<b>CAS No.:</b>	2003213-07-6
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>26</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	366.46
<b>Target:</b>	Cholinesterase (ChE); Amyloid-β
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	BuChE-IN-6 (compound 1b) is a potent and selective BuChE (butyrylcholinesterase) inhibitor, with IC <sub>50</sub> values of 0.46 and 0.51 μM for eqBuChE and hBuChE, respectively. BuChE-IN-6 also inhibits Aβ <sub>42</sub> self-aggregation <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Butyrylcholinesterase 0.46 μM (IC <sub>50</sub> , eqBuChE)	Butyrylcholinesterase 0.51 μM (IC <sub>50</sub> , hBuChE)

### REFERENCES

[1]. Marques CS, et al. N-1,2,3-triazole-isatin derivatives for cholinesterase and β-amyloid aggregation inhibition: A comprehensive bioassay study. *Bioorg Chem.* 2020 May;98:103753.

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

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