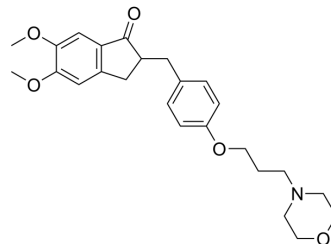


## BChE-IN-19

Cat. No.:	HY-156031
Molecular Formula:	C <sub>25</sub> H <sub>31</sub> NO <sub>5</sub>
Molecular Weight:	425.52
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BChE-IN-19 (Compound 7b) is a para-substituted derivative of indone (7b) with inhibitory activity of butyryl cholinesterase (BChE) (IC <sub>50</sub> =0.04 μM). BChE-IN-19 improves cholinergic scheduling in the nervous system. BChE-IN-19 can be used against Alzheimer's disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	BChE 0.04 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Etemadi A, et al. Design, Synthesis, and Biological Evaluation of Novel Indanone Derivatives as Cholinesterase Inhibitors for Potential Use in Alzheimer's Disease. Chem Biodivers. 2023 Aug;20(8):e202300075.

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

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