



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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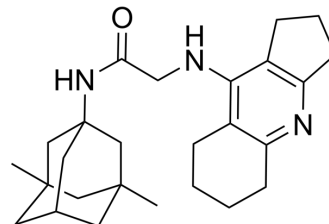
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## BChE-IN-32

Cat. No.:	HY-161453
Molecular Formula:	C <sub>26</sub> H <sub>37</sub> N <sub>3</sub> O
Molecular Weight:	407.59
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ChE-IN-32 (compound 5d) is a potent and selective hBChE inhibitor with an IC <sub>50</sub> value of 0.109 μM. BChE-IN-32 shows cytotoxicity. BChE-IN-32 has the potential for the research of Alzheimer's disease <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	hBChE 0.109 μM (IC <sub>50</sub> )	
<b>In Vitro</b>	BChE-IN-32 (compound 5d) (0-200 μM) shows cytotoxicity with IC <sub>50</sub> s of 110.0, 42 μM for SH-SY5Y, HepG2 cells, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Cytotoxicity Assay <sup>[1]</sup>	
	Cell Line:	SH-SY5Y, HepG2 cells
	Concentration:	0-200 μM
	Incubation Time:	
	Result:	Showed cytotoxicity with IC <sub>50</sub> s of 110.0, 42 μM for SH-SY5Y, HepG2 cells, respectively.

### REFERENCES

[1]. Mezeiova E, et al. Morphing cholinesterase inhibitor amiridine into multipotent drugs for the treatment of Alzheimer's disease. Biomed Pharmacother. 2024 Apr;173:116399.

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

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