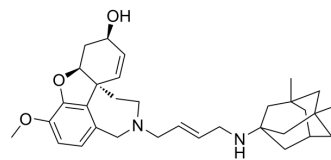


## AChE-IN-41

Cat. No.:	HY-156188
Molecular Formula:	C <sub>32</sub> H <sub>44</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	504.7
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ACHe-IN-41 (Compound 2) is a compound of the Galantamine Memantine hybrid. AChE-IN-41 has the inhibition ability of cholinesterase. AChE-IN-41 shows higher plasma stability and comparable microsomal stability in vitro, while showing lower half-life and faster clearance in vivo<sup>[1]</sup>.

## REFERENCES

[1]. Basagni F, et al. Galantamine-memantine hybrids for Alzheimer's disease: The influence of linker rigidity in biological activity and pharmacokinetic properties. *Eur J Med Chem.* 2023 Sep 12;261:115803.

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

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