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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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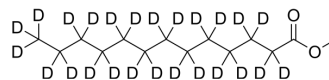
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Methyl tridecanoate-d₂₅

Cat. No.:	HY-W004287S
CAS No.:	1219804-90-6
Molecular Formula:	C ₁₄ H ₃ D ₂₅ O ₂
Molecular Weight:	253.52
Target:	Amyloid-β; Cholinesterase (ChE); Isotope-Labeled Compounds
Pathway:	Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methyl tridecanoate-d ₂₅ is the deuterium labeled Methyl tridecanoate. Methyl tridecanoate moderately inhibits β-amyloid aggregation. Methyl tridecanoate weakly inhibits acetylcholinesterase (AChE)[1].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Lomarat P, et al. Bioactivity-guided Separation of the Active Compounds in *Acacia pennata* Responsible for the Prevention of Alzheimer's Disease. *Nat Prod Commun*. 2015;10(8):1431-1434.

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

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