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Part of Europa Biosite

Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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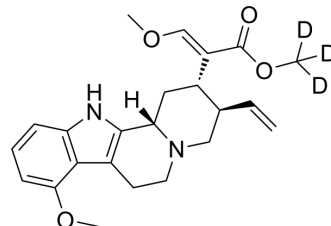
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Paynantheine-d₃

Cat. No.:	HY-124412S
Molecular Formula:	C ₂₃ H ₂₅ D ₃ N ₂ O ₄
Molecular Weight:	399.5
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Paynantheine-d₃ is a deuterium labeled Paynantheine. Paynantheine is an alkaloid that can be isolated from *Mitragyna speciosa*. Paynantheine can decrease alcohol intake in mice^{[1][2]}.

REFERENCES

- [1]. Philipp AA, et al. Metabolism studies of the Kratom alkaloids mitraciliatine and isopaynantheine, diastereomers of the main alkaloids mitragynine and paynantheine, in rat and human urine using liquid chromatography-linear ion trap-mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2011 May 1;879(15-16):1049-55.
- [2]. Gutridge AM, et al. G protein-biased kratom-alkaloids and synthetic carfentanil-amide opioids as potential treatments for alcohol use disorder. *Br J Pharmacol.* 2020 Apr;177(7):1497-1513.

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

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