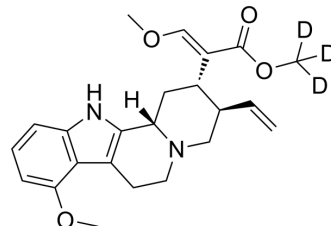


## Paynantheine-d<sub>3</sub>

Cat. No.:	HY-124412S
Molecular Formula:	C <sub>23</sub> H <sub>25</sub> D <sub>3</sub> N <sub>2</sub> O <sub>4</sub>
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-d<sub>3</sub> is a deuterium labeled Paynantheine. Paynantheine is an alkaloid that can be isolated from *Mitragyna speciosa*. Paynantheine can decrease alcohol intake in mice<sup>[1][2]</sup>.

### 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]. Guttridge 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA