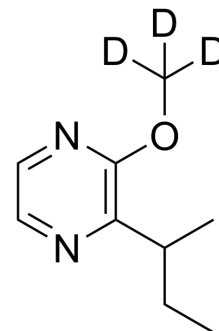


2-Sec-butyl-3-methoxypyrazine-d₃

Cat. No.:	HY-W017140S
CAS No.:	1335436-01-5
Molecular Formula:	C ₉ H ₁₁ D ₃ N ₂ O
Molecular Weight:	169.24
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-Sec-butyl-3-methoxypyrazine-d ₃ is deuterated labeled cis-?Jasmone (HY-N7058). Cis-Jasmone is a plant-derived natural product. Cis-Jasmone is constitutively released by many flowers and sometimes by leaves as an attractant for pollinators or as a chemical cue for host location by insect flower herbivores. Cis-Jasmone treatment of crop plants not only induces direct defense against herbivores, but also induces indirect defense by releasing VOCs that attract natural enemies ^[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]. Erasmus Cudjoe, et al. Headspace gas chromatography-mass spectrometry: a fast approach to the identification and determination of 2-alkyl-3- methoxypyrazine pheromones in ladybugs. ☒
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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