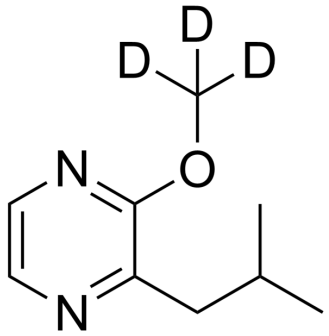
2-Isobutyl-3-methoxypyrazine-d3

Cat. No.:	HY-W017141S
CAS No.:	588732-63-2
Molecular Formula:	$C_9H_{11}D_3N_2O$
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-Isobutyl-3-methoxypyrazine-d_3 is the deuterium labeled 2-Isobutyl-3-methoxypyrazine[1]. 2-Isobutyl-3-methoxypyrazine is an aroma constituent in grapes andwines, green pepper and asparagus[2].
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 Feb;53(2):211-216.

[2]. Katja Suklje, et al. Classification of grape berries according to diameter and total soluble solids to study the effect of light and temperature on methoxypyrazine, glutathione, and hydroxycinnamate evolution during ripening of Sauvignon blanc (Vitis vinifera L.). J Agric Food Chem. 2012 Sep 19;60(37):9454-61.

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