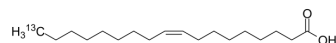


Oleic acid-13C-1

Cat. No.:	HY-N1446S4
CAS No.:	2483735-58-4
Molecular Formula:	C ₁₇ ¹³ CH ₃₄ O ₂
Molecular Weight:	283.45
Target:	Na ⁺ /K ⁺ ATPase; Endogenous Metabolite; Apoptosis
Pathway:	Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oleic acid-13C-1 is the 13C labeled Oleic acid. Oleic acid (9-cis-Octadecenoic acid) is an abundant monounsaturated fatty acid ^[1] . Oleic acid is a Na ⁺ /K ⁺ ATPase activator ^[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;53(2):211-216.

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

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