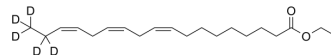


Ethyl linolenate-d5

Cat. No.:	HY-N2073S
CAS No.:	203633-16-3
Molecular Formula:	C ₂₀ H ₂₉ D ₅ O ₂
Molecular Weight:	311.51
Target:	MCHR1 (GPR24)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ethyl linolenate-d5 is the deuterium labeled Ethyl linolenate. Ethyl linolenate is a fatty acid ethyl ester (FAEE). Ethyl linolenate plays an active role in inhibition of the cellular production on melanin with an IC ₅₀ of 70 μM. Anti-melanogenesis Effects ^[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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Sungran Huh, et al. Melanogenesis inhibitory effect of fatty acid alkyl esters isolated from *Oxalis triangularis*. *Biol Pharm Bull.* 2010;33(7):1242-5.

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

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