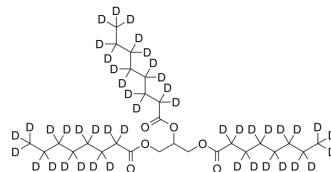


Tricaprilin-d15

Cat. No.:	HY-B1804S2
CAS No.:	352431-24-4
Molecular Formula:	C ₂₇ H ₅ D ₄₅ O ₆
Molecular Weight:	515.96
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tricaprilin-d15 is the deuterium labeled Tricaprilin. Tricaprilin (Trioctanoin) is used in study for patients with mild to moderate Alzheimer's disease and has a role as an anticonvulsant and a plant metabolite ^{[1][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.
- [2]. Kwok MK, et al. Re-thinking Alzheimer's disease therapeutic targets using gene-based tests. *EBioMedicine*. 2018 Nov;37:461-470.
- [3]. Tricaprylin

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

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