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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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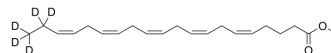
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Eicosapentaenoic acid methyl ester-d₅

Cat. No.:	HY-W011311S
Molecular Formula:	C ₂₁ H ₂₇ D ₅ O ₂
Molecular Weight:	321.51
Target:	Apoptosis; Isotope-Labeled Compounds
Pathway:	Apoptosis; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Eicosapentaenoic acid methyl ester-d ₅ is the deuterium labeled Eicosapentaenoic acid methyl ester. Eicosapentaenoic acid methyl ester is a degradant of a monogalactosyl diacylglycerol (an anticancer compound by inducing apoptosis)[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]. Andrianasolo EH, et, al. Apoptosis-inducing galactolipids from a cultured marine diatom, *Phaeodactylum tricornutum*. *J Nat Prod.* 2008 Jul;71(7):1197-201.

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

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