



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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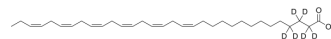
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Dotriaconta-14,17,20,23,26,29-hexaenoic acid-d₆

Cat. No.:	HY-122129S
CAS No.:	2692624-20-5
Molecular Formula:	C ₃₂ H ₄₆ D ₆ O ₂
Molecular Weight:	474.79
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dotriaconta-14,17,20,23,26,29-hexaenoic acid-d₆ is deuterium labeled Dotriaconta-14,17,20,23,26,29-hexaenoic acid. Very long chain polyunsaturated fatty acids (VLCPUFA) are present in retina, sperm, and brain. Though little is known of their biosynthesis or functional roles in these tissues, recent studies using the elongation of very long-chain FA-4 protein suggest a unique role for VLCPUFA in retinal development and macular degeneration. Dotriaconta-14,17,20,23,26,29-hexaenoic acid is a C32:6 VLCPUFA whose specific biological actions are largely unknown, but are thought to involve normal photoreceptor cell function in the retina^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Robinson, et al. Novel molecular species of spingomyelin containing 2-hydroxylated polyenoic very-long-chain fatty acids in mammalian testes and spermatozoa. J. Biol. Chem. 267(3), 1746-1751 (1992).

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

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