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Zuschläge

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- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Hexaenoic acid-d₆

Cat. No.:	HY-117057S
CAS No.:	2692624-21-6
Molecular Formula:	C ₃₄ H ₅₀ D ₆ O ₂
Molecular Weight:	502.84
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

Hexaenoic acid-d₆ is deuterium labeled Hexaenoic acid. Very long chain polyunsaturated fatty acids (VLCPUFAs) are important components of ceramides and sphingomyelin and are present in retina, sperm, and brain. Tetratriacont-16(Z),19(Z),22(Z),25(Z),28(Z),31(Z)-hexaenoic acid is a C₃₄:6 VLCPUFA whose specific biological actions are largely unknown. This VLCPUFA, along with others, has been investigated for its role in activating protein kinase C^{[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 sphingomyelin 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA