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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

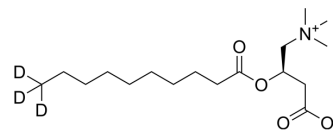
mail@szabo-scandic.com

www.szabo-scandic.com

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

Decanoyl-L-carnitine-d₃

Cat. No.:	HY-135035S
CAS No.:	1297655-08-3
Molecular Formula:	C ₁₇ H ₃₀ D ₃ NO ₄
Molecular Weight:	318.47
Target:	Isotope-Labeled Compounds; Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Decanoyl-L-carnitine-d₃ ((-)-Decanoylcarnitine-d₃) is deuterium labeled Decanoyl-L-carnitine. Decanoyl-L-carnitine has stimulatory effect on the formation of desaturated fatty acid metabolites from both [1-¹⁴C]-22:4 (n-6) and [1-¹⁴C]-22:5 (n-3) [1][1][2][3].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. T N Tran, et al. Differences in the conversion of the polyunsaturated fatty acids [1-(¹⁴C)]22:4(n-6) and [1-(¹⁴C)]22:5(n-3) to [(¹⁴C)]22:5(n-6) and [(¹⁴C)]22:6(n-3) in isolated rat hepatocytes. Biochim Biophys Acta. 2001 May 31;1532(1-2):137-47.
- [3]. Patrick M Carry, et al. Phospholipid Levels at Seroconversion Are Associated With Resolution of Persistent Islet Autoimmunity: The Diabetes Autoimmunity Study in the Young. Diabetes

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