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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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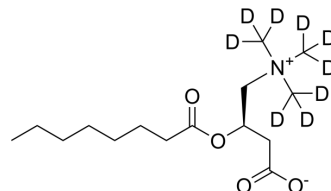
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L-Octanoylcarnitine-d₉

Cat. No.:	HY-113161S1
CAS No.:	2847775-88-4
Molecular Formula:	C ₁₅ H ₂₀ D ₉ NO ₄
Molecular Weight:	296.45
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	L-Octanoylcarnitine-d ₉ is deuterium labeled L-Octanoylcarnitine. L-Octanoylcarnitine is a plasma metabolite and a physiologically active form of octanoylcarnitine. L-Octanoylcarnitine can be used for the research of breast cancer ^{[1][2][3]} . ^{[1][2][3][4]} .
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REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Hanna Kosnik, et al. CHRONIC HIGH FAT DIET IMPAIRS DETRUSOR MITOCHONDRIAL FATTY ACID OXIDATION IN MALE BUT NOT FEMALE MICE. *Journal of Urology/Bladder & Urethra: Anatomy, Physiology & Pharmacology I (MP11)* 1 Apr 2019.
- [3]. Kim M, et al. Association between arterial stiffness and serum L-octanoylcarnitine and lactosylceramide in overweight middle-aged subjects: 3-year follow-up study. *PLoS One*. 2015 Mar 17;10(3):e0119519.
- [4]. Schönfeld P, Reiser G. Inhibition of β -oxidation is not a valid therapeutic tool for reducing oxidative stress in conditions of neurodegeneration. *J Cereb Blood Flow Metab*. 2017 Mar;37(3):848-854.

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

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