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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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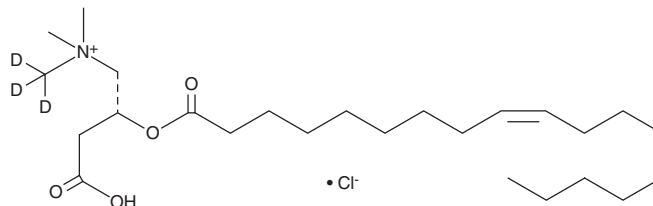
PRODUCT INFORMATION



Oleoyl-L-carnitine-d₃ (chloride)

Item No. 26578

Formal Name:	(R)-3-carboxy-N,N-dimethyl-N-(methyl-d ₃)-2-(oleoyloxy)propan-1-aminium, monochloride
Synonyms:	C18:1 Carnitine-d ₃ , L-Oleoylcarnitine-d ₃
MF:	C ₂₅ H ₄₅ D ₃ NO ₄ • Cl
FW:	465.1
Chemical Purity:	≥85% (Oleoyl-L-carnitine)
Deuterium Incorporation:	≥99% deuterated forms (d ₁ -d ₃); ≤1% d ₀
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Oleoyl-L-carnitine-d₃ (chloride) is intended for use as an internal standard for the quantification of oleoyl-L-carnitine by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

Oleoyl-L-carnitine-d₃ (chloride) is supplied as a solid. A stock solution may be made by dissolving the oleoyl-L-carnitine-d₃ (chloride) in the solvent of choice. Oleoyl-L-carnitine-d₃ (chloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of oleoyl-L-carnitine-d₃ (chloride) in ethanol and DMF is approximately 20 mg/ml and approximately 14 mg/ml in DMSO.

Description

Oleoyl-L-carnitine is a naturally occurring long-chain acylcarnitine.¹ It inhibits lecithin:cholesterol acyltransferase (LCAT) activity in isolated rat, but not human, plasma by 32% when used at a concentration of 500 μM.

Reference

1. Bell, F.P. Carnitine esters: Novel inhibitors of plasma lecithin: Cholesterol acyltransferase in experimental animals but not in man (*Homo sapiens*). *Int. J. Biochem.* **15**(2), 133-136 (1983).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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