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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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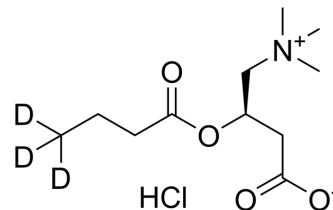
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Butyrylcarnitine-d₃ hydrochloride

Cat. No.:	HY-152007S
CAS No.:	2692623-96-2
Molecular Formula:	C ₁₁ H ₁₉ D ₃ ClNO ₄
Molecular Weight:	270.77
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

Butyrylcarnitine-d₃ (hydrochloride) is deuterium labeled Butyrylcarnitine. Butyrylcarnitine is a metabolite in plasma, acts as a biomarker to improve the diagnosis and prognosis of heart failure, and is indicative of anomalous lipid and energy metabolism^[1].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Cheng ML, et al. Metabolic disturbances identified in plasma are associated with outcomes in patients with heart failure: diagnostic and prognostic value of metabolomics. *J Am Coll Cardiol*. 2015 Apr 21;65(15):1509-20.

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

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