



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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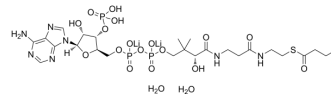
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Butyryl-Coenzyme A lithium hydrate

Cat. No.:	HY-141479B
CAS No.:	1107039-35-9
Molecular Formula:	C ₂₅ H ₄₄ Li ₂ N ₇ O ₁₉ P ₃ S
Molecular Weight:	885.52
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (56.46 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.1293 mL	5.6464 mL	11.2928 mL
	5 mM		0.2259 mL	1.1293 mL	2.2586 mL
	10 mM		0.1129 mL	0.5646 mL	1.1293 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Butyryl-Coenzyme A lithium hydrate can synthesize Butyric acid (HY-B0350) or Butyrate^{[1][2]}.

REFERENCES

[1]. Trachsel J, et al. Function and Phylogeny of Bacterial Butyryl Coenzyme A:Acetate Transferases and Their Diversity in the Proximal Colon of Swine. Appl Environ Microbiol. 2016 Oct 27;82(22):6788-6798.

[2]. Yang Q, et al. Butyryl/Caproyl-CoA:Acetate CoA-transferase: cloning, expression and characterization of the key enzyme involved in medium-chain fatty acid biosynthesis. Biosci Rep. 2021 Aug 27;41(8):BSR20211135.

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

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