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Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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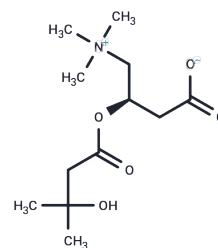
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3-Hydroxyisovalerylcarnitine

Chemical Properties

CAS No. :	99159-87-2
Formula:	C ₁₂ H ₂₃ NO ₅
Molecular Weight:	261.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	3-Hydroxyisovalerylcarnitine is a carnitine derivative that may serve as a novel biomarker for biotin deficiency in humans, with its concentration increasing in such conditions. Biotin deficiency reduces the activity of biotin-dependent 3-methylcrotonyl-CoA carboxylase, hindering the conversion of 3-methylcrotonyl-CoA into 3-methylglutaconyl-CoA, and impairing the leucine catabolism pathway, resulting in elevated plasma 3-Hydroxyisovalerylcarnitine concentrations [1].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8269 mL	19.1344 mL	38.2687 mL
5 mM	0.7654 mL	3.8269 mL	7.6537 mL
10 mM	0.3827 mL	1.9134 mL	3.8269 mL
50 mM	0.0765 mL	0.3827 mL	0.7654 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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