



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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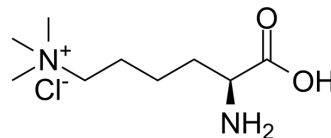
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Nε,Nε,Nε-Trimethyllysine chloride

Cat. No.:	HY-N7404
CAS No.:	55528-53-5
Molecular Formula:	C ₉ H ₂₁ ClN ₂ O ₂
Molecular Weight:	224.73
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (1112.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4498 mL	22.2489 mL	44.4978 mL
	5 mM	0.8900 mL	4.4498 mL	8.8996 mL
	10 mM	0.4450 mL	2.2249 mL	4.4498 mL

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

BIOLOGICAL ACTIVITY

Description

Nε,Nε,Nε-Trimethyllysine chloride serves as a precursor for gut flora-dependent formation of N,N,N-trimethyl-5-aminovaleric acid (TMAVA)^[1].

In Vitro

TMAVA as a novel gut flora metabolite generated from Nε,Nε,Nε-Trimethyllysine chloride^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhao M, et al. TMAVA, a Metabolite of Intestinal Microbes, Is Increased in Plasma From Patients With Liver Steatosis, Inhibits γ-Butyrobetaine Hydroxylase, and Exacerbates Fatty Liver in Mice. *Gastroenterology*. 2020;158(8):2266-2281.e27.

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

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