



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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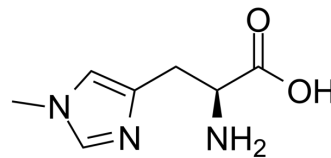
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1-Methyl-L-histidine

Cat. No.:	HY-W017006		
CAS No.:	332-80-9		
Molecular Formula:	C ₇ H ₁₁ N ₃ O ₂		
Molecular Weight:	169.18		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 125 mg/mL (738.86 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.9109 mL	29.5543 mL	59.1086 mL
		5 mM	1.1822 mL	5.9109 mL	11.8217 mL
10 mM		0.5911 mL	2.9554 mL	5.9109 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (591.09 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	1-Methyl-L-histidine is an objective indicator of meat ingestion and exogenous 3-methylhistidine (3MH) intake.
IC ₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Molecules. 2023 Apr 11, 28(8), 3375.
- Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sjölin J, et al. Urinary excretion of 1-methylhistidine: a qualitative indicator of exogenous 3-methylhistidine and intake of meats from various sources. *Metabolism*. 1987 Dec;36(12):1175-84.

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

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