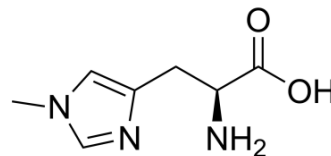


1-Methyl-L-histidine

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	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (738.86 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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.

BIOLOGICAL ACTIVITY

Description

1-Methyl-L-histidine is an objective indicator of meat ingestion and exogenous 3-methylhistidine (3MH) intake.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- 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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