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Produktinformation



Forschungsprodukte & Biochemikalien



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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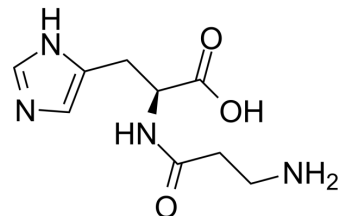
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L-Carnosine

Cat. No.:	HY-W013494
CAS No.:	305-84-0
Molecular Formula:	C ₉ H ₁₄ N ₄ O ₃
Molecular Weight:	226.23
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Sealed storage, away from moisture and light
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 83.33 mg/mL (368.34 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.4203 mL	22.1014 mL	44.2028 mL
		5 mM	0.8841 mL	4.4203 mL	8.8406 mL
		10 mM	0.4420 mL	2.2101 mL	4.4203 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 (442.03 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	L-Carnosine is a dipeptide of the amino acids beta-alanine and histidine and has the potential to suppress many of the biochemical changes that accompany aging.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	L-Carnosine is a dipeptide of the amino acids beta-alanine and histidine and has the potential to suppress many of the biochemical changes that accompany aging ^[1] . L-Carnosine also exhibits some antioxidant effects. The antioxidant mechanism of L-Carnosine is attributed to its chelating effect against metal ions, superoxide dismutase (SOD)-like activity, and ROS and free radicals scavenging ability ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hipkiss AR, et al. Would carnosine or a carnivorous diet help suppress aging and associated pathologies? *Ann N Y Acad Sci.* 2006 May;1067:369-74.
- [2]. Guney Y, et al. Carnosine may reduce lung injury caused by radiation therapy. *Med Hypotheses.* 2006;66(5):957-9.
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Caution: Product has not been fully validated for medical applications. For research use only.

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