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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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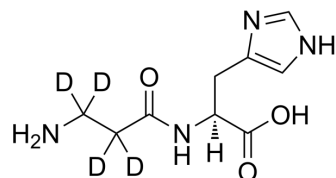
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L-Carnosine-d₄

Cat. No.:	HY-W013494S
CAS No.:	2714339-90-7
Molecular Formula:	C ₉ H ₁₀ D ₄ N ₄ O ₃
Molecular Weight:	230.26
Target:	Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	L-Carnosine-d ₄ is the deuterium labeled L-Carnosine. 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.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. 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.
- [3]. Guney Y, et al. Carnosine may reduce lung injury caused by radiation therapy. *Med Hypotheses.* 2006;66(5):957-9.

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

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