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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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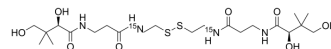
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Pantethine-¹⁵N₂

Cat. No.:	HY-B1028S
Molecular Formula:	C ₂₂ H ₄₂ N ₂ ¹⁵ N ₂ O ₈ S ₂
Molecular Weight:	556.71
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pantethine-¹⁵N₂ is the ¹⁵N₂ labeled Pantethine. Pantethine is an orally active lipid-lowering agent. Pantethine has anti-tumor, anti-inflammatory and anti-SARS-COV virus activities. Pantethine is also a neuroprotective agent. Pantethine can be used in the study of Alzheimer's disease, Parkinson's disease, major depression, systemic sclerosis and pantothenate kinase-related neurodegeneration^{[1][2][3][4][5][6]}.

REFERENCES

- [1]. Bocos C, et al. Pantethine stimulates lipolysis in adipose tissue and inhibits cholesterol and fatty acid synthesis in liver and intestinal mucosa in the normolipidemic rat. *Environ Toxicol Pharmacol*. 1998 Aug 4;6(1):59-66.
- [2]. Abou-Hamdan M, et al. Potential antiviral effects of pantethine against SARS-CoV-2. *Sci Rep*. 2023 Feb 8;13(1):2237.
- [3]. Penet MF, et al. Effect of Pantethine on Ovarian Tumor Progression and Choline Metabolism. *Front Oncol*. 2016 Nov 16;6:244.
- [4]. Tóth F, et al. Natural Molecules and Neuroprotection: Kynurenic Acid, Pantethine and α -Lipoic Acid. *Int J Mol Sci*. 2021 Jan 2;22(1):403.
- [5]. Kavian N, et al. Pantethine Prevents Murine Systemic Sclerosis Through the Inhibition of Microparticle Shedding. *Arthritis Rheumatol*. 2015 Jul;67(7):1881-90.
- [6]. Brunetti D, et al. Pantethine treatment is effective in recovering the disease phenotype induced by ketogenic diet in a pantothenate kinase-associated neurodegeneration mouse model. *Brain*. 2014 Jan;137(Pt 1):57-68.

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

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