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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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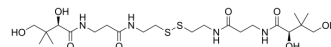
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Pantethine (Standard)

Cat. No.:	HY-B1028R
CAS No.:	16816-67-4
Molecular Formula:	C ₂₂ H ₄₂ N ₄ O ₈ S ₂
Molecular Weight:	554.72
Target:	Endogenous Metabolite; SARS-CoV
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pantethine (Standard) is the analytical standard of Pantethine. This product is intended for research and analytical applications. 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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