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Zuschläge

- Mindermengenzuschlag
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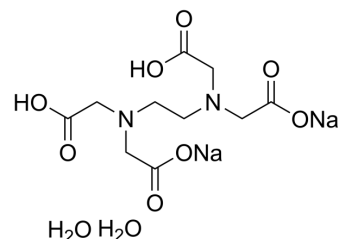
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Ethylenediaminetetraacetic acid disodium dihydrate (Standard)

Cat. No.:	HY-Y0682AR
CAS No.:	6381-92-6
Molecular Formula:	C ₁₀ H ₁₈ N ₂ Na ₂ O ₁₀
Molecular Weight:	372.24
Target:	Bacterial; SOD; Biochemical Assay Reagents
Pathway:	Anti-infection; Immunology/Inflammation; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ethylenediaminetetraacetic acid (disodium dihydrate) (Standard) is the analytical standard of Ethylenediaminetetraacetic acid (disodium dihydrate). This product is intended for research and analytical applications. Ethylenediaminetetraacetic acid (EDTA) disodium dehydrate is a kind of metal chelating agent (binds to bivalent and trivalent metal cations, including calcium). Ethylenediaminetetraacetic acid disodium dehydrate has antibacterial, anti-inflammatory, antioxidant, anti-hypercalcemia and anticoagulant activities. Ethylenediaminetetraacetic acid disodium dehydrate decreases the metal ion-catalyzed oxidative damage to proteins, and allows maintenance of reducing environment during protein purification. Ethylenediaminetetraacetic acid disodium dehydrate can alleviate the liver fibrosis. Ethylenediaminetetraacetic acid disodium dehydrate can be used for coronary artery disease and neural system disease research^{[1][2][3][4][5][6][7]}.

REFERENCES

- [1]. Chumanov RS, et al. Artifact-inducing enrichment of ethylenediaminetetraacetic acid and ethyleneglycoltetraacetic acid on anion exchange resins. *Anal Biochem.* 2011 May 1;412(1):34-9.
- [2]. Banfi G, et al. The role of ethylenediamine tetraacetic acid (EDTA) as in vitro anticoagulant for diagnostic purposes. *Clin Chem Lab Med.* 2007;45(5):565-76.
- [3]. Ibad A, et al. Chelation therapy in the treatment of cardiovascular diseases. *J Clin Lipidol.* 2016 Jan-Feb;10(1):58-62.
- [4]. Gray GW, et al. The effect of ethylenediaminetetra-acetic acid on the cell walls of some gram-negative bacteria. *J Gen Microbiol.* 1965 Jun;39(3):385-99.
- [5]. González-Cuevas J, et al. Ethylenediaminetetraacetic acid induces antioxidant and anti-inflammatory activities in experimental liver fibrosis. *Redox Rep.* 2011;16(2):62-70.
- [6]. Naghipour D, et al. Remediation of heavy metals contaminated silty clay loam soil by column extraction with ethylenediaminetetraacetic acid and nitrilo triacetic acid[J]. *Journal of Environmental Engineering*, 2017, 143(8): 04017026.
- [7]. Deai M, et al. Ethylenediaminetetraacetic acid (EDTA) enhances cAMP production in human TDAG8-expressing cells. *Biochem Biophys Res Commun.* 2022 Oct 20;626:15-20.

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

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