



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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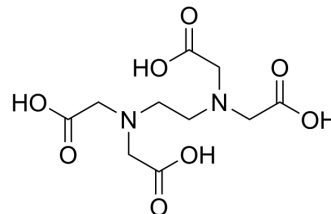
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## Ethylenediaminetetraacetic acid (Standard)

Cat. No.:	HY-Y0682R
CAS No.:	60-00-4
Molecular Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	292.24
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 (Standard) is the analytical standard of Ethylenediaminetetraacetic acid. This product is intended for research and analytical applications. Ethylenediaminetetraacetic acid (EDTA) is a kind of metal chelating agent (binds to bivalent and trivalent metal cations, including calcium). Ethylenediaminetetraacetic acid has antibacterial, anti-inflammatory, antioxidant, anti-hypercalcemia and anticoagulant activities. Ethylenediaminetetraacetic acid decreases the metal ion-catalyzed oxidative damage to proteins, and allows maintenance of reducing environment during protein purification. Ethylenediaminetetraacetic acid can alleviate the liver fibrosis. Ethylenediaminetetraacetic acid can be used for coronary artery disease and neural system disease research<sup>[1][2][3][4][5][6][7]</sup>.

### REFERENCES

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- [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.
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- [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.
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- [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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