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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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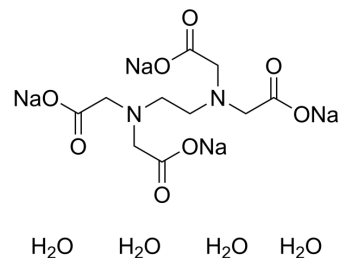
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EDTA tetrasodium tetrahydrate

Cat. No.:	HY-W105699
CAS No.:	13235-36-4
Molecular Formula:	C ₁₀ H ₂₀ N ₂ Na ₄ O ₁₂
Molecular Weight:	452.23
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

EDTA tetrasodium tetrahydrate is a metal chelator (binds to metal divalent and trivalent cations including calcium), which shows activities of anticoagulant and anti-hypercalcemic. EDTA tetrasodium tetrahydrate decreases the metal ion-catalyzed oxidative damage to proteins, and allows maintenance of reducing environment during protein purification. EDTA tetrasodium tetrahydrate can also decrease the formation of disulfide bonds^{[1][2][3]}.

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.

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

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