

Certificate of Analysis

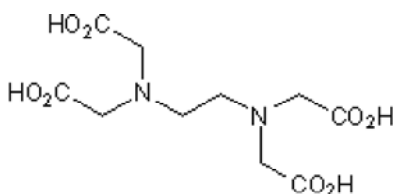
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Product Name: EDTA
CAS Number: 60-00-4
IUPAC Name: *N,N'*-1,2-Ethanediy**l**bis[*N*-(carboxymethyl)]glycine

Catalog No.: 2811 **Batch No.:** 2
EC Number: 200-449-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₀H₁₆N₂O₈
Batch Molecular Weight: 292.24
Physical Appearance: White solid
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Chelating agent; sequesters di- and trivalent metal ions.

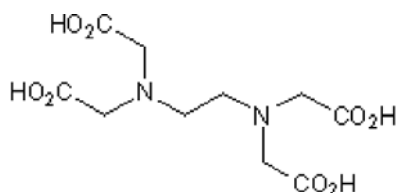
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Solubility & Usage Info:

Note on solubility: this product is soluble in water at room temperature up to 5mM (approx. 1.5mg/ml). The pH of this solution will be approximately 3 to 3.5. However, this compound becomes much more soluble as the pH increases. This can be achieved by gradual addition of a concentrated solution of aqueous sodium hydroxide. The solubility at pH 9 is >100mM.

References:

Tandogan and Ulusu (2007) The inhibition kinetics of yeast glutathione reductase by some metal ions. *J.Enz.Inhib.Med.Chem.* **22** 489.

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