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## DATASHEET

EDTA

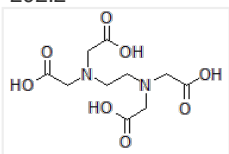
### Product overview

<b>Name</b>	EDTA
<b>Cat No</b>	HB5135
<b>Biological description</b>	Ion chelator which minimizes metal ion contamination and prevents enzymatic activity. Frequently used in DNA/protein separation and electrophoresis.
<b>Alternative names</b>	Ethylenediaminetetraacetic acid
<b>Biological action</b>	Reagent
<b>Description</b>	Ion chelator

### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in 3M sodium hydroxide (100 mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

### Chemical Data

<b>Chemical name</b>	N,N-1,2-Ethanediybis[N-(carboxymethyl)]glycine
<b>Molecular Weight</b>	292.2
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>
<b>CAS Number</b>	60-00-4
<b>PubChem identifier</b>	6049
<b>SMILES</b>	C(CN(CC(=O)O)CC(=O)O)N(CC(=O)O)CC(=O)O
<b>InChi</b>	InChI=1S/C10H16N2O8/c13-7(14)3-11(4-8(15)16)1-2-12(5-9(17)18)6-10(19)20/h1-6H2,(H,13,14)(H,15,16)(H,17,18)(H,19,20)
<b>InChiKey</b>	KCXVZYZYPLLWCC-UHFFFAOYSA-N
<b>MDL number</b>	MFCD00003541

### References

#### EDTA alkaline elution characteristics and measurement of DNA damage in unlabeled DNA using Hoechst 33258 fluorescence

Ducore JM (1988) Environ Mol Mutagen 11(4)

**PubMedID** [2453357](#)

#### Single-step purification and characterization of MBP (maltose binding protein)-DnaJ fusion protein and its utilization for structure-function analysis

Ishii Y *et al* (1998) J Biochem 124(4)

**PubMedID** [9756632](#)

## Nucleic acid protocols: Extraction and optimization

El-Ashram S *et al* (2016) *Biotechnol Rep (Amst)* 12

**PubMedID**

[28352552](#)

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