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DATASHEET

EDTA

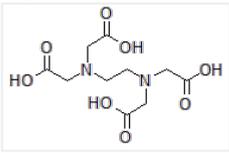
Product overview

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

Solubility & Handling

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

Chemical Data

Chemical name	N,N-1,2-Ethanediybis[N-(carboxymethyl)]glycine
Molecular Weight	292.2
Chemical structure	
Molecular Formula	C ₁₀ H ₁₆ N ₂ O ₈
CAS Number	60-00-4
PubChem identifier	6049
SMILES	C(CN(CC(=O)O)CC(=O)O)N(CC(=O)O)CC(=O)O
InChi	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)
InChiKey	KCXVZYZYPLLWCC-UHFFFAOYSA-N
MDL number	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)

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Nucleic acid protocols: Extraction and optimization

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

PubMedID

[28352552](#)
