

## Product Datasheet

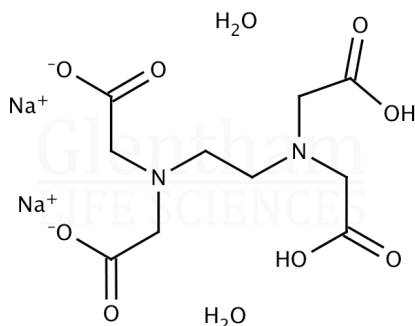
### GX8832 - EDTA disodium salt dihydrate, 99%, Ph. Eur. grade

#### Product Details

Product Name	EDTA disodium salt dihydrate, 99%, Ph. Eur. grade
Glenthams Code	GX8832
CAS Number	6381-92-6
EINECS	205-358-3
MDL Number	MFCDD00150037
Additional CAS	139-33-3
Related Categories	Biochemicals, Buffers, Raw Materials (IVD), Reagents for PCR, Reagents for Gel Electrophoresis of DNA/RNA, Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Northern and Southern Blotting, Reagents for Western Blotting

#### Structure

Molecular Weight	: 372.24
Molecular Formula	: $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification	Acute Tox. 4, STOT RE 2
Signal Word	Warning
Hazard Codes	H332, H373
Precautionary Codes	P260
Pictograms	

#### Glenthams Product Specification

Physical Description	: White or almost white crystalline powder
Identification	: A, B, C, D according to Ph. Eur.
Solubility (5% in water)	: Clear, colourless solution
pH (5% in water)	: 4.0 - 5.5
Nitritotriacetic Acid	: $\leq 0.1\%$
Iron (Fe)	: $\leq 80\text{ppm}$
Heavy Metals (as Pb)	: $\leq 20\text{ppm}$
Lead (Pb)	: $\leq 10\text{ppm}$
Calcium (Ca)	: To pass test
Assay	: 99.0 - 101.0 %
Pharmacopoeia Specification(s)	: Ph. Eur.
Version	: v1.0

#### About EDTA disodium salt dihydrate, 99%, Ph. Eur. grade

The disodium dihydrate form of EDTA, a hexadentate ligand used as a chelating agent. Due to its ability to sequester metal ions it has a wide range of uses, ranging from molecular biology to cosmetics and pharmaceutical research. In the biochemistry and molecular biology laboratory, EDTA disodium salt dihydrate can be used to deactivate enzymes when working with nucleic acids, proteins and polysaccharides. It is also used as a component in biological buffer solutions.

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