

## Product Datasheet

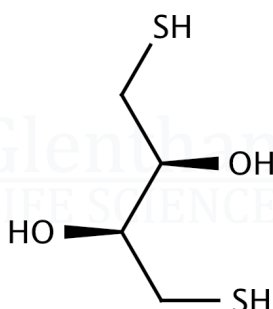
### GC3928 - DL-Dithiothreitol, 98%

#### Product Details

Product Name	DL-Dithiothreitol, 98%
Glenthams Code	GC3928
CAS Number	3483-12-3
EINECS	222-468-7
MDL Number	MFCD00004877
Additional CAS	27565-41-9
Related Categories	Carbohydrates, Biochemicals, Raw Materials (IVD), Reagents for PCR, Reagents for Gel Electrophoresis of DNA/RNA, Reagents for Gel Electrophoresis of Proteins, Reagents for Western Blotting

#### Structure

Molecular Weight	: 154.25
Molecular Formula	: $C_4H_{10}O_2S_2$



#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification	Skin Irr. 2, Eye Irr. 2A, STOT SE 3, STOT SE 3, Acute Tox. 4
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#### Signal Word

#### Hazard Codes

#### Precautionary Codes

#### Pictograms

#### Warning

H315, H319, H335, H336,  
H302

P280, P261,  
P305+P351+P338,  
P301+P312



#### Glenthams Product Specification

Physical Description	: White or almost white powder
Solubility (5% in water)	: Clear, colourless solution
Melting Point	: 39.0 - 45.0 °C
Assay (Titration)	: 98.0 - 102.0 %
Version	: v1.1

#### About DL-Dithiothreitol, 98%

Dithiothreitol, DTT or Cleland's reagent is a small-molecule redox reagent. In molecular biology it is used as a reducing agent, providing thiolated DNA with protection against dimerisation and therefore increasing the efficiency of coupling reactions. DTT is also used to reduce disulfide bonds in proteins, giving it a role in applications such as polyacrylamide gel electrophoresis.

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