

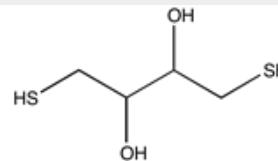
1,4-Dithiothreitol, molecular biology grade**Identification**C₄H₁₀O₂S₂

M = 154,24 g/mol

CAS [3483-12-3]

EC number: 222-468-7

Taric code: 2930 90 99

**Synonyms**

DTT, Cleland's reagent

Applications

for microbiology.

Specifications

assay (iodometric).....min. 99 %

identity (IR-spectrum).....passes test

absorbance of an aqueous solution

0,1 M in a 1 cm cell at 260 nm..... max. 0,5 AU

absorbance of an aqueous solution

0,1 M in a 1 cm cell at 280 nm..... max. 0,1 AU

heavy metals (as Pb)..... max. 0,001 %

iron (Fe)..... max. 5 ppm

DNases, RNases, Proteases non detected

Physical data• Bulk density: ~ 300 kg/m³

• Solub. in water: (20 °C): soluble

• Melting point: 40 - 43 °C

• pH(10 g/l H₂O, 20 °C) 5,1**Safety - GHS**

Signal Word: Warning

**Hazard Statements:**

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see on this label).

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313: If skin irritation occurs: Get medical advice / attention.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

• 2°C - 8°C