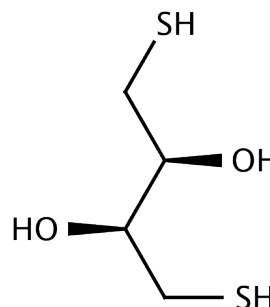


## Product Specification

Product Name : DL-Dithiothreitol  
Glentham Code : GC1199  
CAS Number : 3483-12-3  
EINECS : 222-468-7  
MDL Number : MFCD00004877  
Additional CAS : 27565-41-9  
PubChem SID : 310270881

Molecular Weight : 154.25  
Molecular Formula : C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>S<sub>2</sub>  
Storage Temp. : +4°C



Property	Specification
Physical Description	White to off-white powder
Solubility	5% in water gives a clear, colourless solution
Identification	IR TLC
Melting Point	42 - 44 °C
UV Absorbance (0.1M Solution)	500nm: ≤ 0.05 280nm: ≤ 0.10
pH	4.00 - 6.00 (0.1M in water)
Loss on Drying	≤ 0.5%
Individual Impurity	Dihydroxydithiane: ≤ 0.4%
Assay (Iodimetry)	≥ 99.0%

Specification Version : v1.0  
Date Created : 2013-09-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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