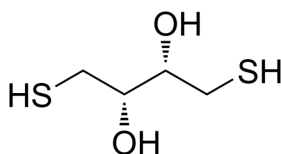


Certificate of Analysis

Product Name: DL-dithiothreitol
Cat. No.: CS-3035
CAS No.: 3483-12-3
Batch No.: L438437
Chemical Name: 2,3-Butanediol, 1,4-dimercapto-, (2R,3R)-rel-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₄H₁₀O₂S₂
Molecular Weight: 154.25
Storage: 2-8°C, protect from light, stored under nitrogen
Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)
¹H NMR Spectrum: Consistent with structure
MS: Consistent with structure
Purity (HPLC): 99.43%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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