

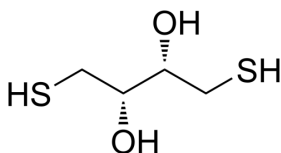
## DL-dithiothreitol

Cat. No.: HY-15917  
CAS No.: 3483-12-3  
Batch No.: 116339  
Chemical Name: 2,3-Butanediol, 1,4-dimercapto-, (2R,3R)-rel-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>S<sub>2</sub>  
Molecular Weight: 154.25  
Storage: 4°C, protect from light, stored under nitrogen  
\* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 98.70%  
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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