

## Product Information

**Product ID** C9773  
**CAS No.** 56-89-3  
**Chemical Name** L-Cystine

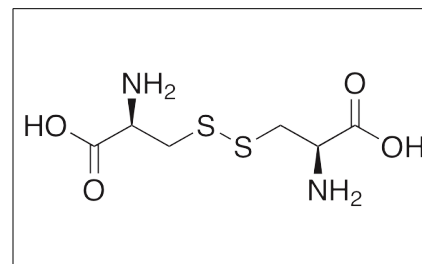
**Synonym** [R-(R\*,R\*)]-3,3'-dithiobis[2-aminopropanoic acid],  
Cystine, Dicysteine, Gelucystine

**Formula** C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
**Formula Wt.** 240.30  
**Melting Point** 260-261 °C  
**Purity** ≥98%

**Solubility** Soluble in aqueous solutions  
of pH < 2 or pH > 8.

**Store Temp** Ambient  
**Ship Temp** Ambient

**Description** L-Cystine is an endogenous amino acid and substrate for various endogenous enzymes. L-Cystine forms dimers and plays a significant role in protein folding due to its ability to form disulfide bridges.



**Bulk quantities available upon request**

Product ID	Size
C9773	25 g
C9773	100 g
C9773	500 g

**References** Kolmar H. Biological diversity and therapeutic potential of natural and engineered cystine knot miniproteins. *Curr Opin Pharmacol.* 2009 Oct;9(5):608-14. PMID: 19523876.

Dröge W, Holm E. Role of cysteine and glutathione in HIV infection and other diseases associated with muscle wasting and immunological dysfunction. *FASEB J.* 1997 Nov;11(13):1077-89. PMID: 9367343.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.