

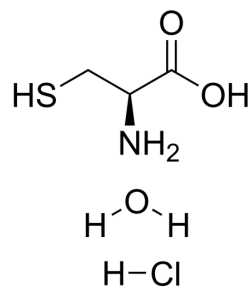
## L-Cysteine (hydrochloride hydrate)

Cat. No.: HY-W016715  
 CAS No.: 7048-04-6  
 Batch No.: 93718  
 Chemical Name: L-Cysteine, hydrochloride, hydrate (1:1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_3H_7ClNO_3S$   
 Molecular Weight: 175.63  
 Storage: 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

#### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 $^1\text{H}$  NMR Spectrum: Consistent with structure  
 Purity (NMR):  $\geq 98.0\%$   
 Residue on Ignition: 0.01%  
 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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