

## D-Cysteine hydrochloride hydrate

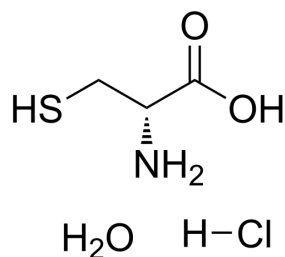
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Cat. No.: HY-W055811  
CAS No.: 207121-46-8  
Batch No.: 447397  
Chemical Name: D-Cysteine, hydrochloride, hydrate (1:1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>3</sub>H<sub>10</sub>ClNO<sub>3</sub>S  
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 light brown (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥97.0%  
Water(KF): 16.37%  
Residue on Ignition: 0.07%  
Optical Rotation: -5.8° (C=1.00 g/100ml 1N/HCL)  
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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA