

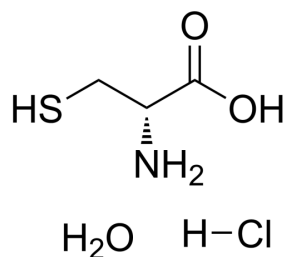
## D-Cysteine hydrochloride hydrate

Cat. No.: HY-W055811  
 CAS No.: 207121-46-8  
 Batch No.: 347970  
 Chemical Name: D-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 light brown (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 Purity (NMR):  $\geq 97.0\%$   
 Water(KF): 16.37%  
 Residue on Ignition: 0.07%  
 Optical Rotation:  $-5.8^\circ$  (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.**

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