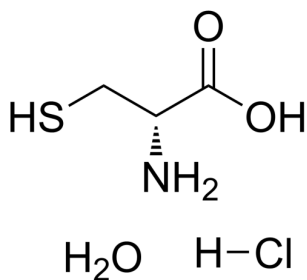


Certificate of Analysis

Compound Information

| | |
|----------------------------|--|
| Product Name: | D-Cysteine hydrochloride hydrate |
| Cat. No.: | 1117442 |
| CAS No.: | 207121-46-8 |
| Molecular Formula: | C ₃ H ₁₀ ClNO ₃ S |
| Molecular Weight: | 175.63 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|---|
| Batch No.: | Lg03f5417 |
| Storage: | 2-8°C, sealed storage, away from moisture |
| Test Date: | 2023-03-20 |
| Retest Date: | 2026-03-19 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to light brown (Solid) |
| ¹H 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: Research use only and are not intended for human use.

Tel: 400-821-0725

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