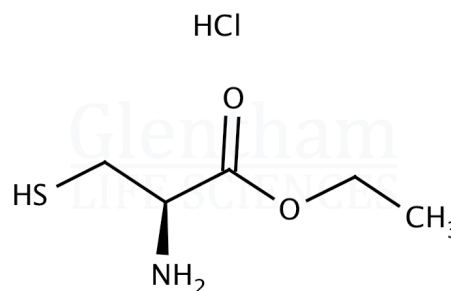


## Certificate of Analysis

Product Name L-Cysteine ethyl ester hydrochloride  
Glentham Code GM3732  
CAS Number 868-59-7  
EINECS 212-779-6  
MDL Number MFCD00012631  
PubChem SID 310270754  
Batch Number 470SHL

Molecular Weight 185.67  
Molecular Formula  $C_5H_{11}NO_2S \cdot HCl$   
Storage Temp. +20°C



Property	Specification	Batch 470SHL
Physical Description	White powder	Conforms
Solubility (5% in water)	Clear to very faintly turbid, colourless solution	Conforms
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-11.0 - -13.0 ° (c=2, 1M HCl)	-12.0°
Assay (Titration)	98.0 - 102.0 %	99.9%

Specification Version v1.0  
Manufacture Date 2017-11-28  
Re-Test Date 2028-01-30

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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