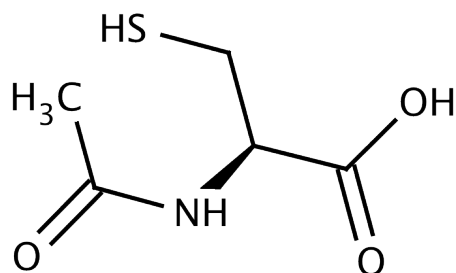


## Product Specification

Product Name	N-Acetyl-L-cysteine, USP grade
Glentham Code	GE7278
CAS Number	616-91-1
EINECS	210-498-3
MDL Number	MFCD00004880
Molecular Weight	163.20
Molecular Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> S
Storage Temp.	+20°C



Property	Specification
Physical Description	White to almost white crystalline powder
Identification (IR)	To conform to standard
Specific Optical Rotation ([ $\alpha$ ] <sub>20</sub> /D)	+21.0 - +27.0 ° (c=1.25, pH 7.0 buffer)
pH (1% in water)	2.0 - 2.8
Loss on Drying	≤ 1.0% (70°C, vac., 4h )
Residue on Ignition	≤ 0.5%
Heavy Metals	≤ 10ppm
Assay (HPLC)	98.0 - 102.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.0
Date Created	-	2021-03-14

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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