



CERTIFICATE OF ANALYSIS

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1. Identification

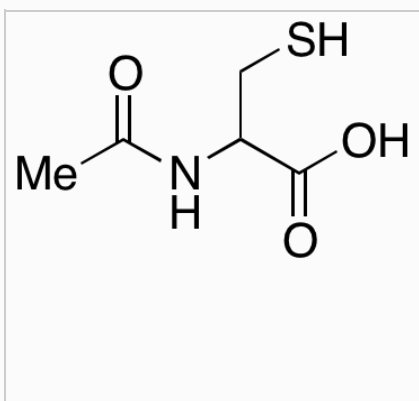
Catalogue Number: A172140

CAS Number: 7218-04-4

Product: N-Acetyl-DL-cysteine

Synonym: 2-Acetylamino-3-mercaptopropionic Acid; N-Acetylcysteine; 2-Acetamido-3-mercaptopropanoic Acid; 2-Acetamido-3-sulfanyl-propanoic Acid;

Structure:



Molecular Formula:

C₅H₉NO₃S

Molecular weight:

163.19

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
Chloroform (Slightly), DMSO
(Slightly), Methanol (Sligh

Lot Number: TRC-1076074-1-1

Purity: 94%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 34.16, %H: 5.05, %N: 7.86
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-0.4° (c = 0.2, Methanol)
HPLC Purity	Report Result	99.57% (ELSD)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Christina Gouliaras	6/29/2022	6/27/2026