



CERTIFICATE OF ANALYSIS

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1. Identification

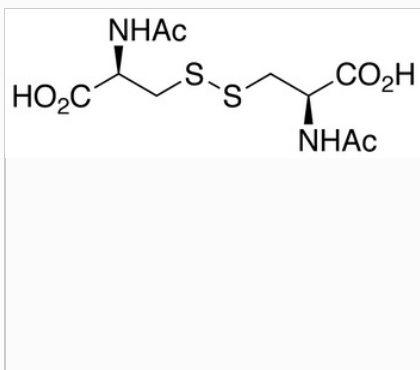
Catalogue Number: D312500

CAS Number: 5545-17-5

Product: N,N'-Diacetyl-L-cystine (>90%)

Synonym: (Ac-Cys-OH)₂; N,N'-Diacetylcystine; NSC 203780; Acetylcysteine EP Impurity C; Acetylcysteine USP Impurity C

Structure:



Molecular Formula:

C₁₀H₁₆N₂O₆S₂

Molecular weight:

324.37

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 10-RFS-114-4

Purity: >90%

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:
Appearance	White to Light Beige Solid	Pale Beige to Light Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	92.64% (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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	10/25/2021	10/23/2025