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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

Re-test Date: Jun 2028

Product Name: Acetylcysteine EP Impurity D

Identification:

Chemical Name: (2R)-2-Acetamido-3-(acetylsulfanyl)propanoic acid (as per EP)

Synonyms : N,S-Diacetyl-L-cysteine (EP) ;
Acetylcysteine USP Related
Compound D ; Dacisteine ; N,S-
Diacetylcysteine ; N-
Acetylcysteine S-acetate

CAS Number : 18725-37-6

CAT Number : CP-A79004

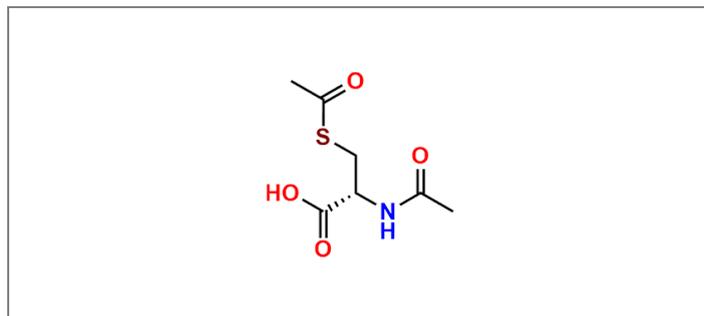
Molecular Formula : C₇H₁₁NO₄S

Molecular Weight : 205.23

Batch Number : CP-ACE-D-0824

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.38%
5)	¹ HNMR	Confirm to structure
6)	¹³ CNMR	Confirm to Structure
7)	IR	Confirm to Structure



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to be "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Quality Control)

Approved By

A handwritten signature in blue ink, appearing to be "Rohini Gagare".

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.