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CERTIFICATE OF ANALYSIS

Analysis Date: May 2026

Re-test Date: May 2029

Product Name: Acetylcysteine EP Impurity C

Identification:

Chemical Name: 3,3'-Disulfanediybis[(2R)-2-acetamidopropanoic acid] (as per EP)

Synonyms : N,N'-diacetyl-L-cystine (EP) ;
Acetylcysteine USP Related
Compound C ; N,N'-
Diacetylcystine ; Acetylcysteine
Disulfide (Dimer)

CAS Number : 5545-17-5

CAT Number : CP-A79003

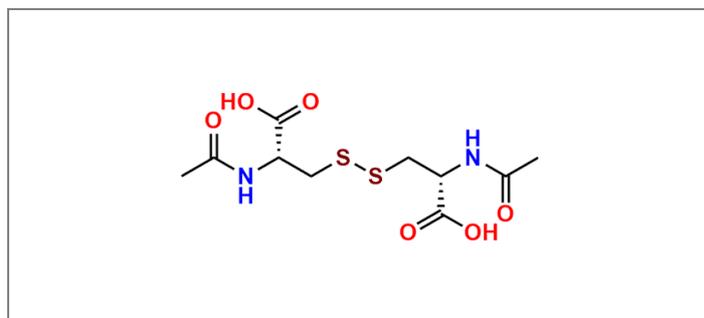
Molecular Formula : C₁₀H₁₆N₂O₆S₂

Molecular Weight : 324.37

Batch Number : CP-ACE-C-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 Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.52%
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency by TGA	95.46%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

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