

Analysis Date: 09-01-2026

Re-test Date: 09-01-2029

ACETYLCYSTEINE IMPURITY 9

Identification

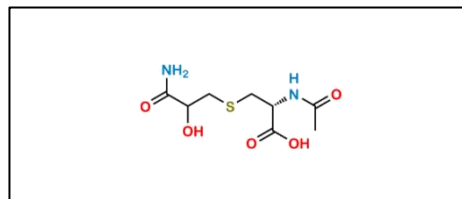
Chemical Name : N-Acetyl-S-(3-amino-2-hydroxy-3-oxopropyl)-L-cysteine

CAT No : ALL-ATY-RC9

CAS No : 137698-08-9

Molecular Formula : C₈H₁₄N₂O₅S

Molecular Weight : 250.3



Analytical Information

| | | | |
|------------------------------|-----------------------------------|--------------------------|-----------|
| Batch No. | : ALL-ATY-RC9 | HPLC Purity | : 98.00% |
| Solubility | : USP Diluent / EP Diluent (MEOH) | Potency | : 95.92% |
| Appearance of Product | : Off White Solid | Mass | : Confirm |
| Long Term Storage | : -20°C | IR Analysis | : Confirm |
| Weight Loss By TGA | : 1.399 % | ¹H NMR | : Confirm |
| Residue Of Ignition | : 0.716 % | | |

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (1.399 + 0.716) \times 98.00] / 100 = 95.92\%$$

Recommendation : Released

| | Department | Name | Signature |
|--------------------------|------------|------------------------------------|-----------|
| Prepared and Reviewed by | Analytical | Mr. Vipul Khadase Jr. Executive | |
| Approved By | QA&QC | Dr. Ashish Keche Director QA&QC | |

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203