

**Analysis Date:** 09-01-2026

**Re-test Date:** 09-01-2029

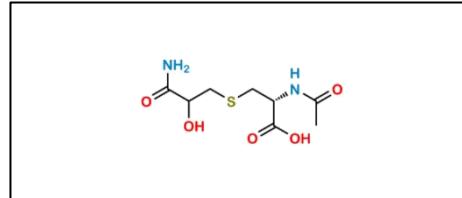
## **ACETYL CYSTEINE IMPURITY 9**

### **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 % **1HNMR** : 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**