

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

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

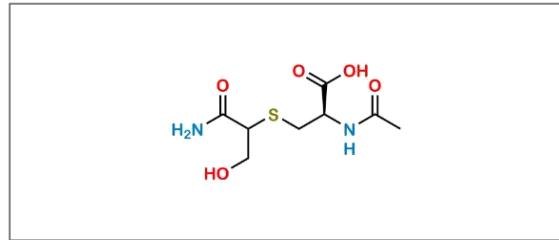
## **ACETYLCYSTEINE IMPURITY 10**

### **Identification**

**Chemical Name** : N-Acetyl-S-(1-amino-3-hydroxy-1-oxopropan-2-yl)-L-cysteine

**CAT No** : ALL-ATY-RC7

**CAS No** : 137698-09-0

**Molecular Formula** : C8H14N2O5S

**Molecular Weight** : 250.3

### **Analytical Information**

**Batch No.** : ALL-ATY-RC7 **HPLC Purity** : 98.00 %

**Solubility** : MeOH: ACN **Potency** : 96.30 %

**Appearance of Product** : Off White Solid **Mass** : Confirm

**Long Term Storage** : 2-8 0C **IR Analysis** : Confirm

**Weight Loss By TGA** : 0.967 % **1HNMR** : Confirm

**Residue Of Ignition** : 0.759 %

### **Additional Information**

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

$$[100 - (0.967 + 0.759) \times 98.00] / 100 = 96.30 \%$$
**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**

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