

Analysis Date: 01-01-2026

Re-test Date: 01-01-2029

## ACETYLCYSTEINE IMPURITY 10

### Identification

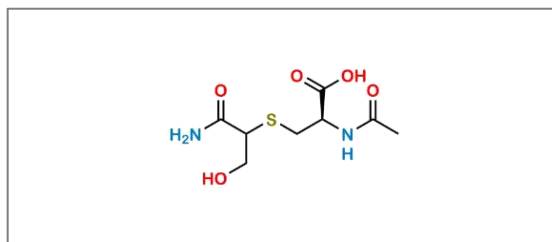
Chemical Name : N-Acetyl-S-(1-amino-3-hydroxy-1-oxopropan-2-yl)-L-cysteine

CAT No : ALL-ATY-RC7

CAS No : 137698-09-0

Molecular Formula : C<sub>8</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>S

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 %

<sup>1</sup>HNMR : Confirm

Residue Of Ignition : 0.759 %

### Additional Information

$$\begin{aligned} \% \text{Potency} &= [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = \\ &= [100 - (0.967 + 0.759) \times 98.00] / 100 = 96.30 \% \end{aligned}$$

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, <sup>1</sup>H NMR, IR, TGA

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

### Corporate Office

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