

Analysis Date: 01-01-2026

Re-test Date: 01-01-2029

ACETYLCYSTEINE IMPURITY 1 FREE BASE

Identification

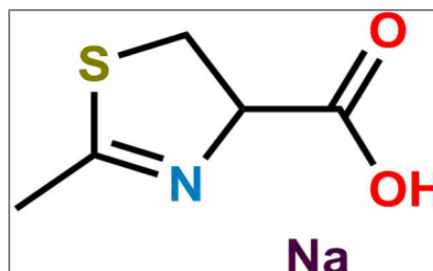
Chemical Name : 2-Methyl-4,5-dihydrothiazole-4-carboxylic acid

CAT No : ALL-ATY-RC6

CAS No : 84184-18-9

Molecular Formula : C₅H₇NO₂S

Molecular Weight : 145.2



Analytical Information

Batch No	: ALL-ATY-RC6	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 95.93 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.906 %	¹ H NMR	: Confirm
Residue Of Ignition	: 1.199%		

Additional Information

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

$$[100 - (0.906 + 1.199) \times 98.00] / 100 = 95.93 \%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase QA Officer	
Approved By	QA&QC	Dr. Ashish Kechhe Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR

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

Corporate Office

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