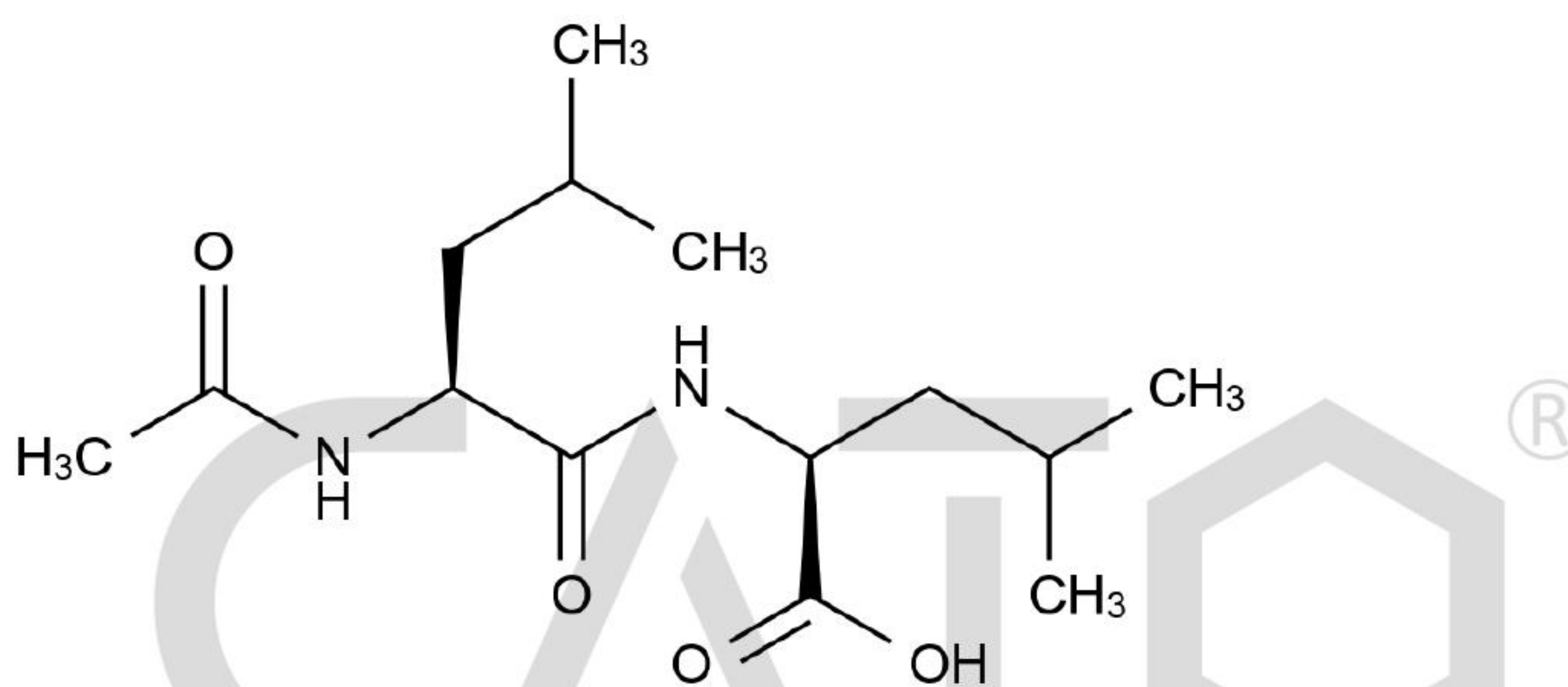


Certificate of Analysis

Reference Material & Standard

Product Name:	Acetylcysteine Impurity 50	Catalogue Number:	C4X-153250
Synonyms:	N-Acetyl-L-leucyl-L-leucine	Lot Number:	0919-RF-0015
CAS Number:	24125-26-6	Expiry Date:	Apr 23, 2026
Molecular Formula:	C ₁₄ H ₂₆ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	286.37		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.0028%
Loss On Drying	TGA	0.035%
Assay		98.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 19, 2024

Date: Sep 19, 2024

Date: Sep 19, 2024

