

Certificate of Analysis

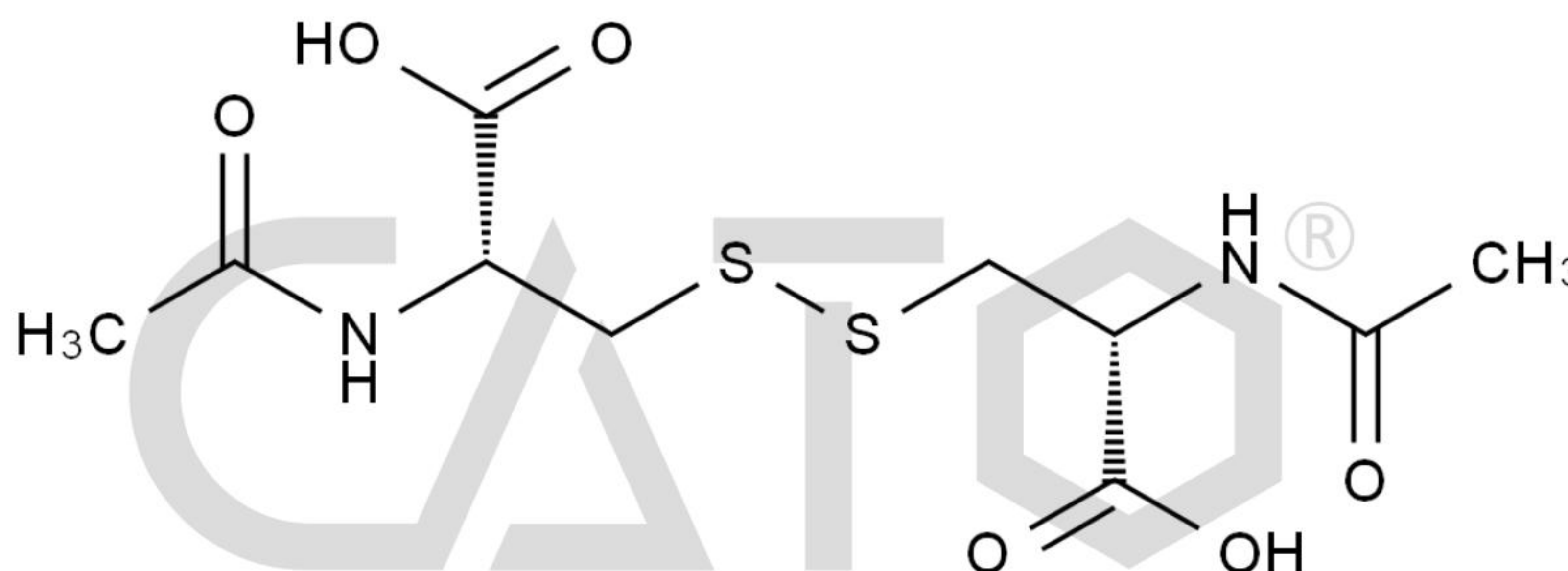
Reference Material & Standard

Product Name:	Acetylcysteine EP Impurity C	Catalogue Number:	C4X-153238
Synonyms:	N,N'-Diacetylcystine(Acetylcysteine EP Impurity C)	Lot Number:	0210-RH-0074
CAS Number:	5545-17-5	Expiry Date:	Mar 01, 2030
Molecular Formula:	C ₁₀ H ₁₆ N ₂ O ₆ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	324.37	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	95.121%
Loss on Drying	TGA	1.5358%
Assay		93.7%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 02, 2026

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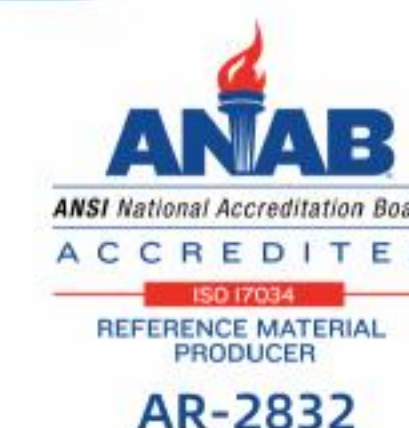
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