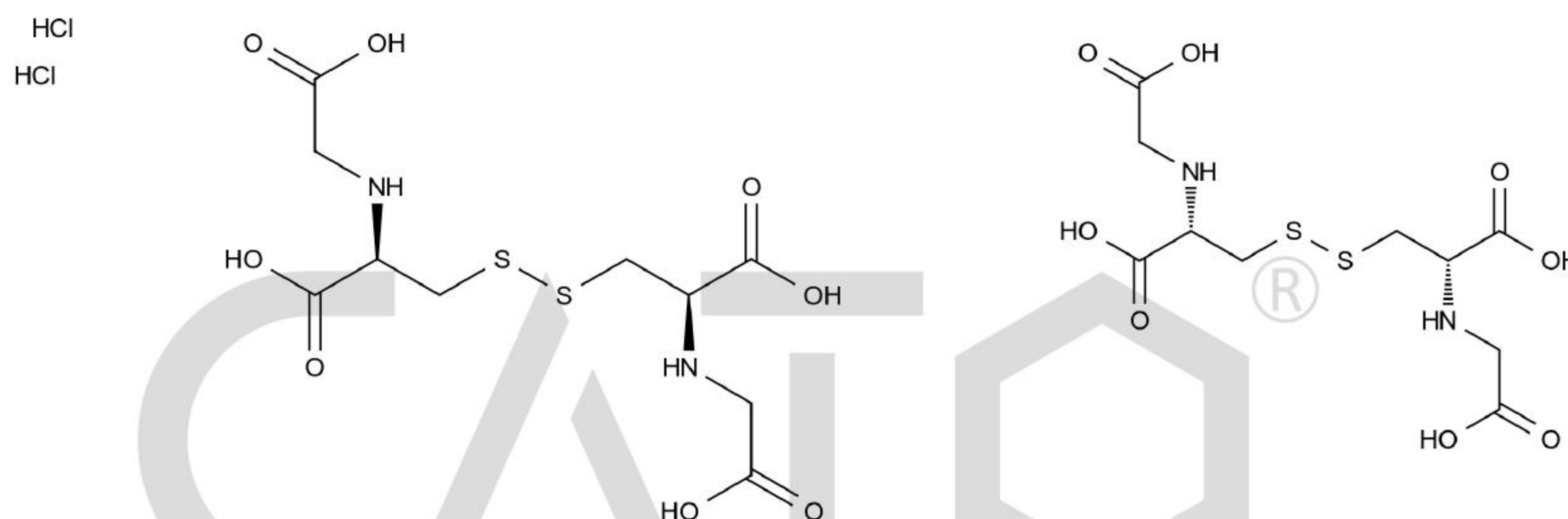


Certificate of Analysis

Reference Material & Standard

Product Name:	Carbocysteine Impurity 24 2 Hydrochlorides(Enantiomeric mixture)	Catalogue Number:	C4X-201024
Synonyms:	N/A	Lot Number:	0803-RE-0036
CAS Number:	N/A	Expiry Date:	Jul 03, 2026
Molecular Formula:	2*C ₁₀ H ₁₆ N ₂ O ₈ S ₂ 2*HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*356.37 2*36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.3%
Assay	qNMR	92.6%

Comment:

Assay was determined by quantitative ¹H-NMR.

The compound is derivatized to hexabenzyl compound in Chiral HPLC analysis.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Debia

Approved by General Manager:

David

Date: Aug 08, 2023

Date: Aug 10, 2023

Date: Aug 10, 2023



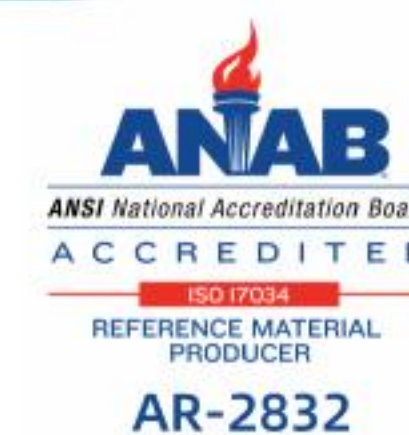
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