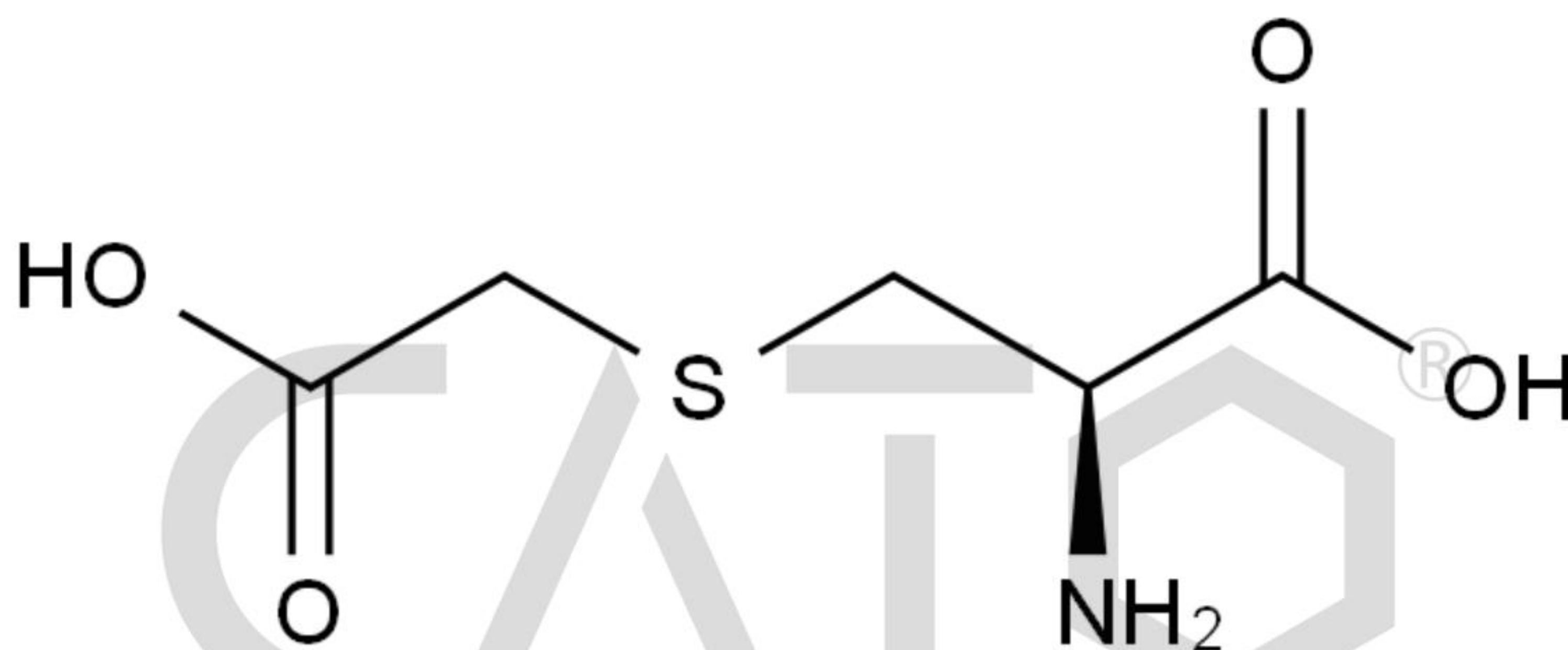


Certificate of Analysis

Reference Material & Standard

Product Name:	Carbocysteine/Carbocisteine	Catalogue Number:	C4X-2010
Synonyms:	N/A	Lot Number:	1202-RG-0001
CAS Number:	638-23-3	Expiry Date:	Nov 30, 2029
Molecular Formula:	C ₅ H ₉ NO ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	179.19	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.328%
Residue on Ignition	TGA	0.6774%
Loss On Drying	TGA	0.0240%
Assay		96.6%

Comment:

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

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

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 02, 2025

Date: Dec 02, 2025

Date: Dec 02, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

