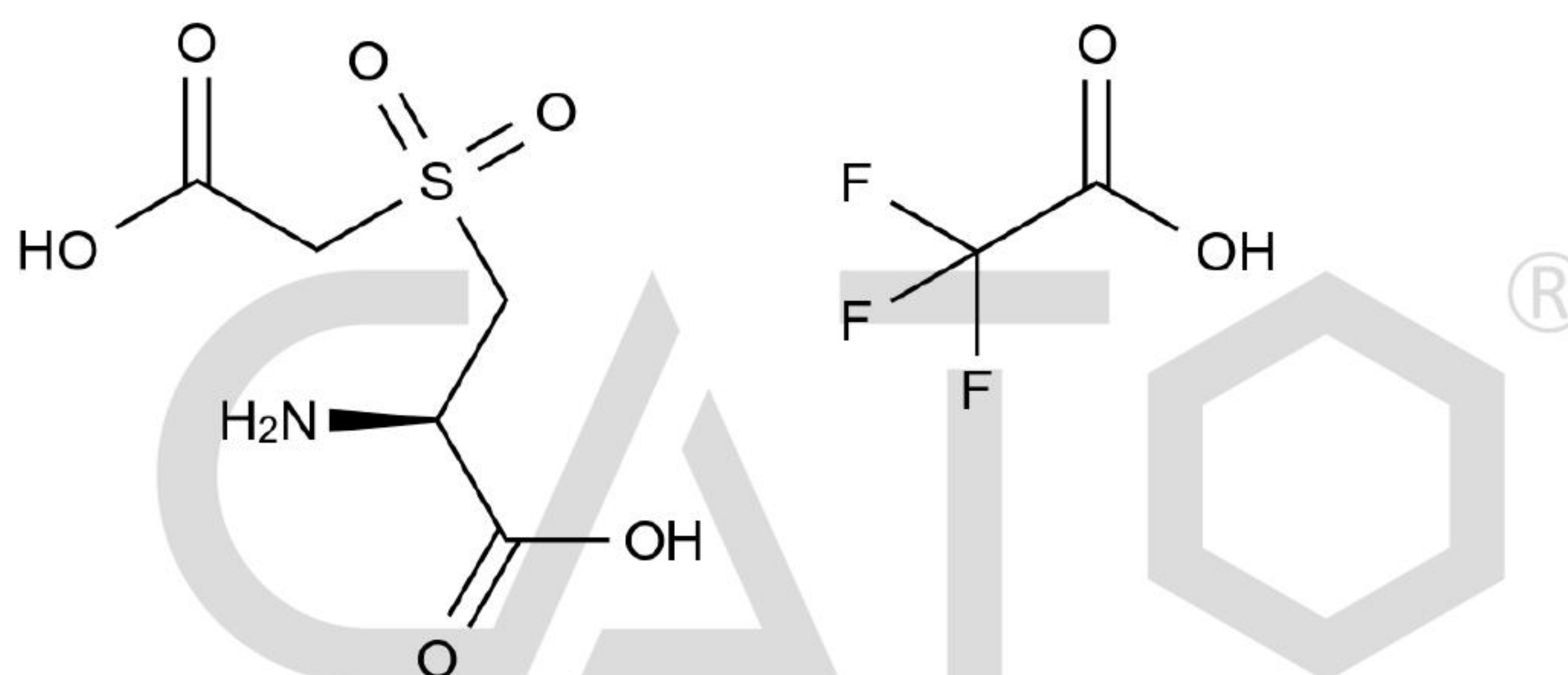


Certificate of Analysis

Reference Material & Standard

Product Name:	Carbocisteine Impurity 4 TFA (Mixture of diastereomers)	Catalogue Number:	C4X-201047
Synonyms:	N/A	Lot Number:	1205-RG-0072
CAS Number:	25515-73-5(free base)	Expiry Date:	Oct 23, 2029
Molecular Formula:	C ₅ H ₉ NO ₆ S C ₂ HF ₃ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	211.19 114.02	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	96.8982%
Loss on Drying	TGA	1.003%
Assay		95.9%

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:

Reviewed by:

Approved by General Manager:

Date: Sep 15, 2026

Date: Sep 15, 2026

Date: Sep 15, 2026



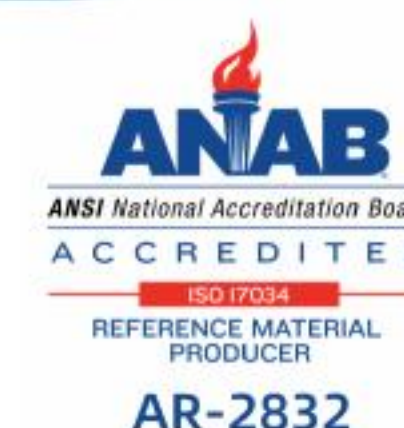
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