

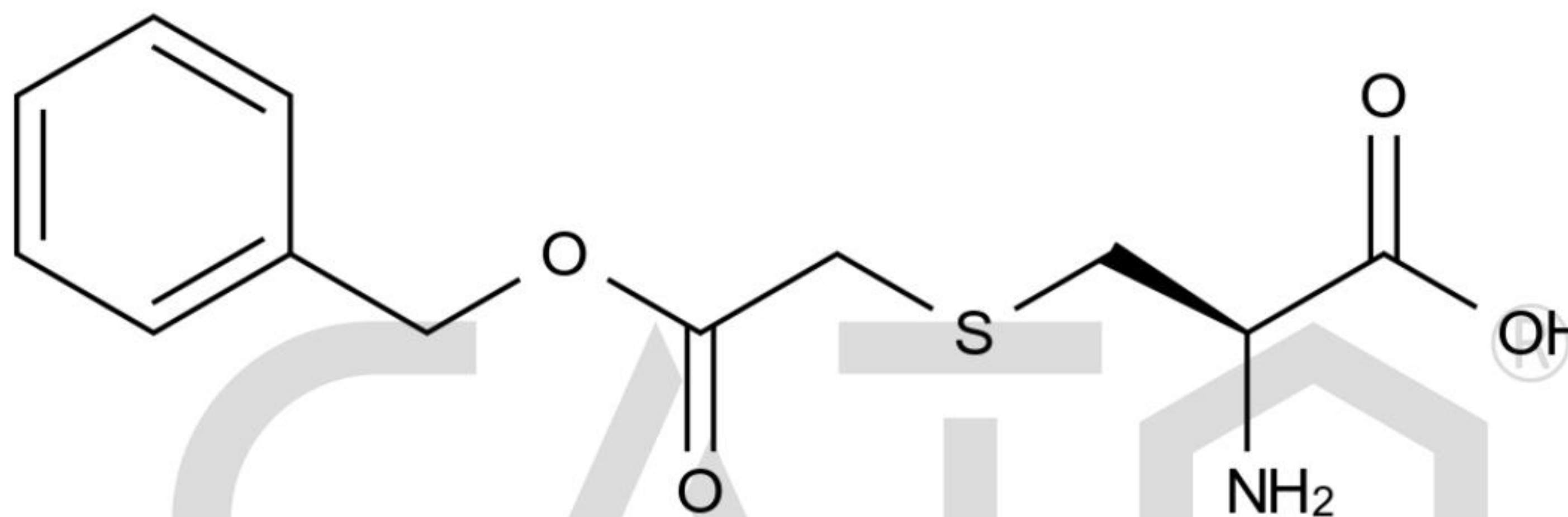
Certificate of Analysis

Reference Material

Product Name:	Carbocisteine Impurity 20 HCl	Catalogue Number:	C4X-201020
Chemical Name:	N/A	Lot Number:	0914-RD-0022
CAS Number:	N/A	Expiry Date:	Sep 14, 2024
Molecular Formula:	C ₁₂ H ₁₅ NO ₄ S HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	269.32 36.46		

HCl

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	90.909%
Loss On Drying	TGA	1.1120%
Assay		89.9%

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:

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Date: Sep 19, 2022

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