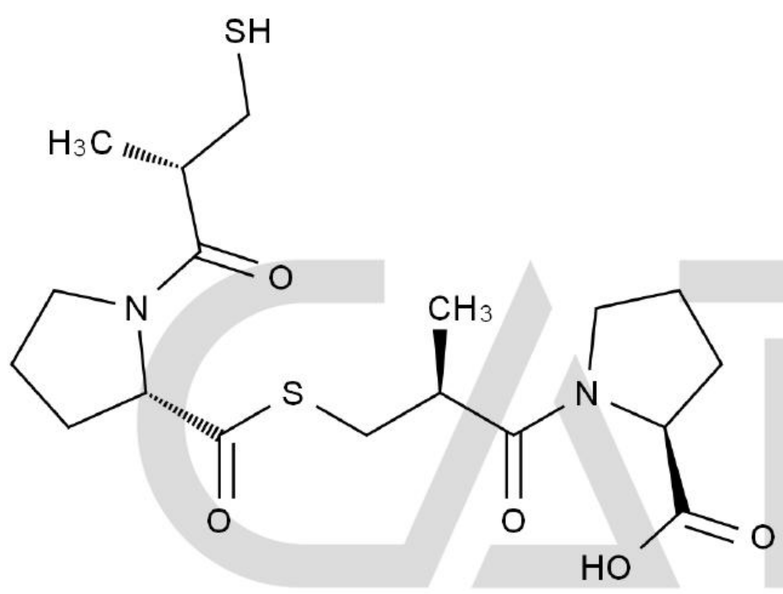
Certificate of Analysis

Reference Material & Standard

Product Name:	Captopril EP Impurity I	**Catalogue Number:**	C4X-119018
Synonyms:	N/A	**Lot Number:**	1008-RH-0007
CAS Number:	N/A	**Expiry Date:**	Sep 28, 2030
Molecular Formula:	$C_{18}H_{28}N_2O_5S_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	416.56	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	96.916%
Water Content	Karl Fischer	4.32%
Residual Solvents	NMR	Not detected in NMR
Assay	Mass Balance	92.7%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%*
Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Date: Oct 09, 2026

Reviewed by: Date: Oct 09, 2026

Approved by General Manager: Date: Oct 09, 2026

CATO Research Chemicals Inc.