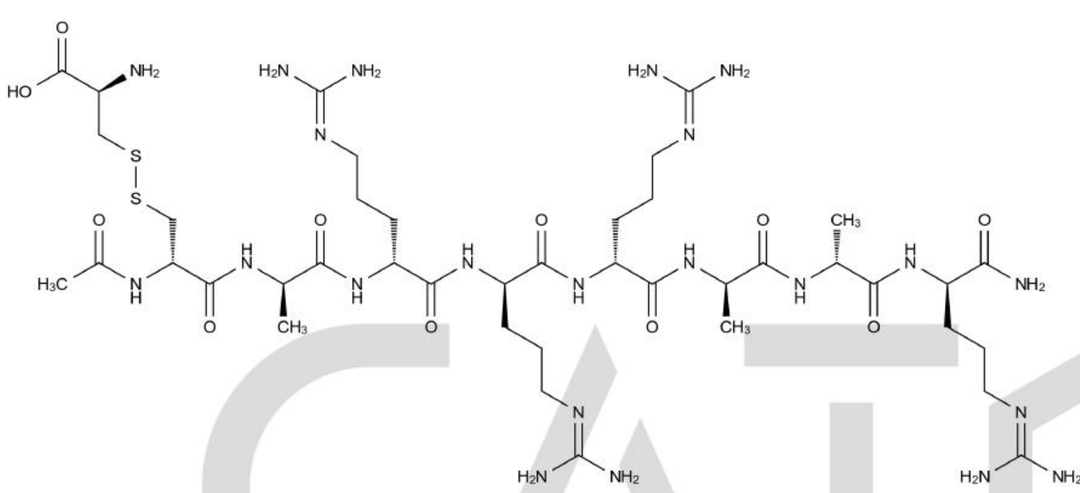
Certificate of Analysis

Reference Material & Standard

Product Name:	Ac-D-Cys(H-Cys-OH)-D-Ala-D-Arg-D-Arg-D-Arg-D-Ala-D-Ala-D-Arg-NH2	**Catalogue Number:**	C4X-324713
Synonyms:	N/A	**Lot Number:**	0922-RG-0034
CAS Number:	N/A	**Expiry Date:**	Sep 27, 2029
Molecular Formula:	$C_{41}H_{78}N_{22}O_{11}S_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1119.33	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.5964%
Loss on Drying	TGA	2.4656%
Assay	Mass Balance	96.2%

Comment:

The calculation of the mass balance 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:

Prepared by: Koji Date: Sep 28, 2025

Reviewed by: Lisa Date: Sep 28, 2025

Approved by General Manager: David Date: Sep 28, 2025

CATO Research Chemicals Inc.