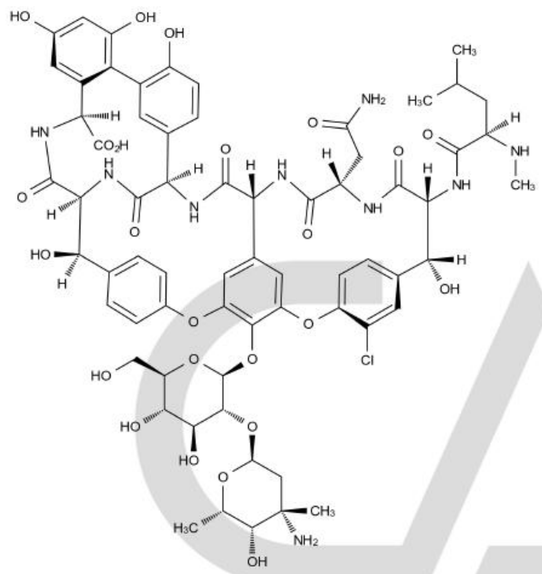
Certificate of Analysis

Reference Material & Standard

Product Name:	Vancomycin EP Impurity H	**Catalogue Number:**	C4X-177515
Synonyms:	N/A	**Lot Number:**	0712-RF-0089
CAS Number:	357396-41-9	**Expiry Date:**	May 21, 2028
Molecular Formula:	$C_{66}H_{76}ClN_9O_{24}$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1414.81	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.42%
Loss on Drying	TGA	5.4493%
Assay		93.1%

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: Koi Date: Jul 09, 2026

Reviewed by: Lisa Date: Jul 09, 2026

Approved by General Manager: David Date: Jul 09, 2026

CATO Research Chemicals Inc.