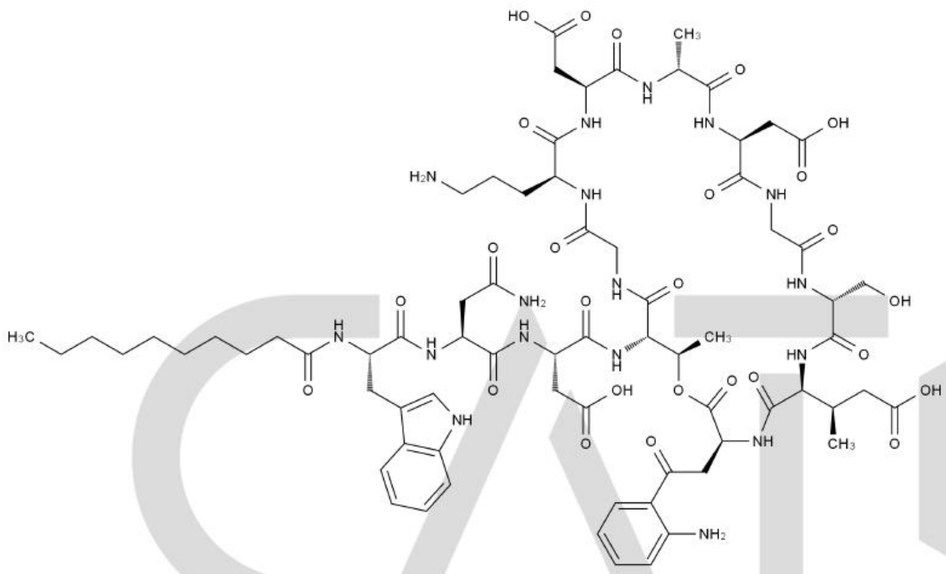
Certificate of Analysis

Reference Material & Standard

Product Name:	Daptomycin	**Catalogue Number:**	C4X-1378
Synonyms:	N/A	**Lot Number:**	0929-RH-0058
CAS Number:	103060-53-3	**Expiry Date:**	Oct 12, 2028
Molecular Formula:	$C_{72}H_{101}N_{17}O_{26}$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	1620.67	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	3.6949%
Residue on Ignition	TGA	0.6044%
Assay	qNMR	94.7%
Assay (Assigned Value)	Mass Balance	95.7%

Comment:

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

Signature:

Prepared by: Alice Date: Oct 13, 2026

Reviewed by: Koi Date: Oct 13, 2026

Approved by General Manager: David Date: Oct 13, 2026

CATO Research Chemicals Inc.