Certificate of Analysis

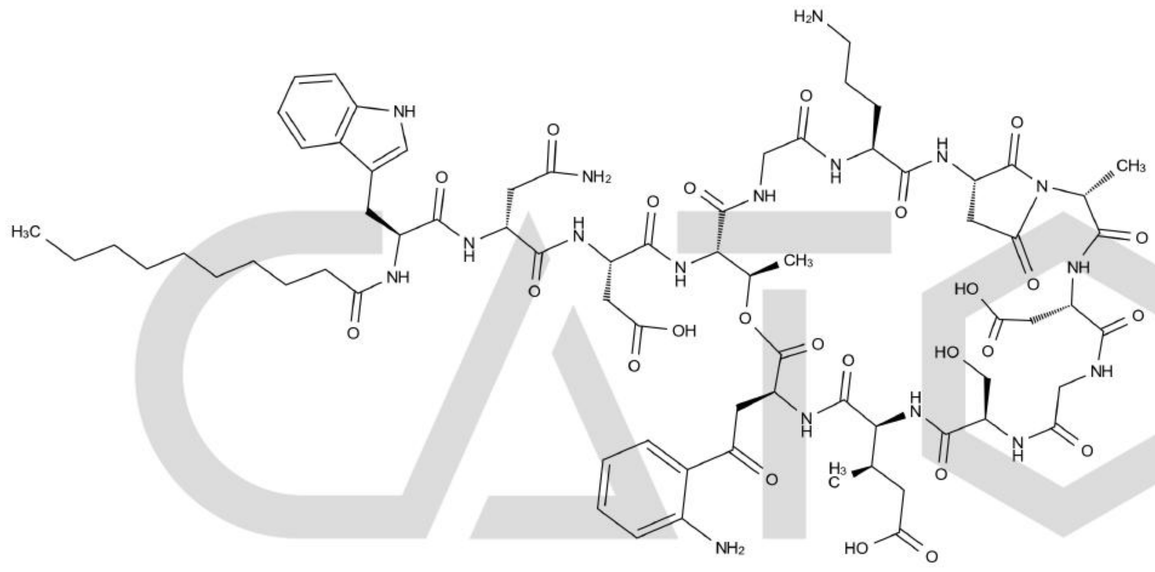
Reference Material & Standard

Product Name:	Daptomycin impurity 52	**Catalogue Number:**	C4X-137852
Synonyms:	N/A	**Lot Number:**	0923-RH-0060
CAS Number:	N/A	**Expiry Date:**	Sep 17, 2030
Molecular Formula:	$C_{72}H_{99}N_{17}O_{25}$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1602.66	**Shipping Condition:**	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Crystalline Solid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	94.06%
Loss on Drying	TGA	5.286%
Assay		89.1%

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: Date: Sep 23, 2026

Reviewed by: Date: Sep 24, 2026

Approved by General Manager: Date: Sep 24, 2026