

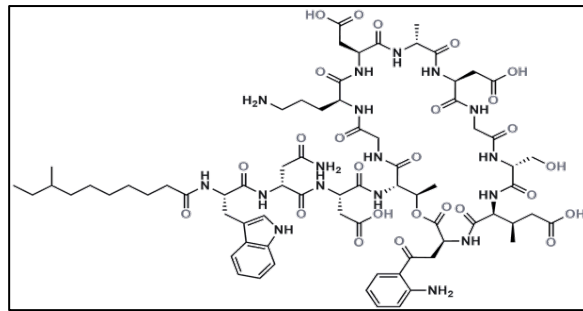
Analysis Date: 25-06-2025

Re-test Date: 25-06-2028

## DAPTOMYCIN IMPURITY 1

### Identification

<b>Chemical Name</b>	: 2,2'-((3S,6S,9R,15S,18R,21S,24S,30S,31R)-30-((2S)-2-((2R)-2-((2S)-3-(1H-Indol-3-yl)-2-(8-methyldecanamido)propanamido)-4-amino-4-oxobutanamido)-3-carboxypropanamido)-3-(2-(2-aminophenyl)-2-oxoethyl)-24-(3-aminopropyl)-6-((R)-1-carboxypropan-2-yl)-9-(hydroxymethyl)-18,31-dimethyl-2,5,8,11,14,17,20,23,26,29-decaoxo-1-oxa-4,7,10,13,16,19,22,25,28-nonaazacyclohentriacontane-15,21-diyl)diacetic acid
<b>CAT No</b>	: ALL-D07091
<b>CAS No</b>	: N.A
<b>Molecular Formula</b>	: C73H103N17O26
<b>Molecular Weight</b>	: 1634.7



### Analytical Information

<b>Batch Code</b>	: ALL-D07091	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.65%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.628%	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.748%		

### Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.628 + 0.748) \times 98.00] / 100 = 96.65\%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, 1H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office