

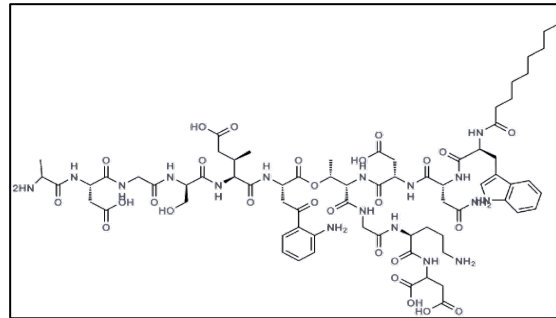
Analysis Date: 25-06-2025

Re-test Date: 25-06-2028

## DAPTOMYCIN IMPURITY 36

### Identification

|                          |   |
|--------------------------|---|
| <b>Chemical Name</b>     | : ((2S)-5-Amino-2-(2-((2S,3R)-2-((S)-2-((R)-4-amino-2-((S)-2-decanamido-3-(1H-indol-3-yl)propanamido)-4-oxobutanamido)-3-carboxypropanamido)-3-(((2S)-4-(2-aminophenyl)-2-((2S,3R)-2-((2R)-2-(2-((2S)-2-(2-aminopropanamido)-3-carboxypropanamido)acetamido)-3-hydroxypropanamido)-4-carboxy-3-methylbutanamido)-4-oxobutanoyl)oxy)butanamido)acetamido)pentanoyl)aspartic acid |
| <b>CAT No</b>            | : ALL-D07816  |
| <b>CAS No</b>            | : N.A.  |
| <b>Molecular Formula</b> | : C72H103N17O27   |
| <b>Molecular Weight</b>  | : 1638.7  |



### Analytical Information

|                              |                                   |                    |           |
|------------------------------|-----------------------------------|--------------------|-----------|
| <b>Batch Code</b>            | : ALL-D07816                      | <b>HPLC Purity</b> | : 98.00%  |
| <b>Solubility</b>            | : USP Diluent / EP Diluent (MEOH) | <b>Potency</b>     | : 96.24%  |
| <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>    | : 0.319%                          | <b>1HNMR</b>       | : Confirm |
| <b>Residue Of Ignition</b>   | : 1.468%                          |                    |           |

### Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA } \% + \text{Residue Of Ignition } \%) \times \text{Chromatographic Purity}\%]/100 = [100 - (0.319+1.468) \times 98.00]/100 = 96.24\%$$

**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