

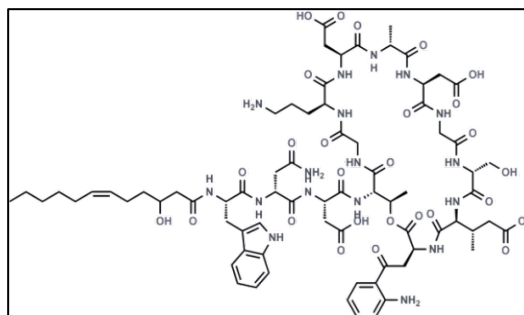
Analysis Date: 25-06-2025

Re-test Date: 25-06-2028

DAPTOMYCIN IMPURITY 18

Identification

Chemical Name	: 2,2'-((3S,6S,9R,15S,18R,21S,24S,30S,31R)-30-((2S)-2-((2R)-4-Amino-2-((2S)-2-((Z)-3-hydroxydodec-6-enamido)-3-(1H-indol-3-yl)propanamido)-4-oxobutanamido)-3-carboxypropanamido)-3-(2-(2-aminophenyl)-2-oxoethyl)-24-(3-aminopropyl)-6-((S)-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-nonaazacyclohentacontane-15,21-diyl)diacetic acid
CAT No	: ALL-D07807
CAS No	: N.A.
Molecular Formula	: C74H103N17O27
Molecular Weight	: 1662.7



Analytical Information

Batch Code	: ALL-D07807	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.91%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.641%	1HNMR	: Confirm
Residue Of Ignition	: 0.469%		

Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA } \% + \text{Residue Of Ignition } \%) \times \text{Chromatographic Purity}\%] / 100 = [100 - (0.641 + 0.469) \times 98.00] / 100 = 96.91\%$$

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