

Analysis Date: 25-06-2025

Re-test Date: 25-06-2028

DAPTOMYCIN LACTONE OPEN RING IMPURITY

Identification

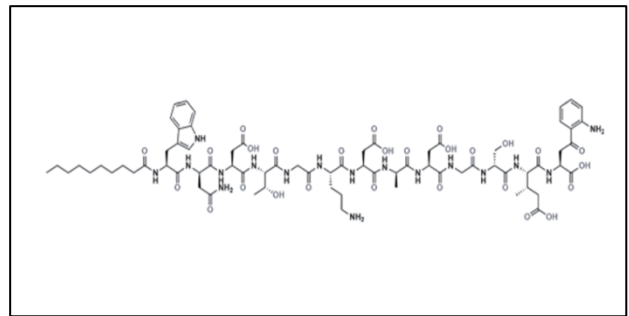
Chemical Name : (2S,5S,8R,14S,17R,20S,23S,29S,32S)-32-((R)-4-Amino-2-((S)-2-decanamido-3-(1H-indol-3-yl)propanamido)-4-oxobutanamido)-2-(2-(2-aminophenyl)-2-oxoethyl)-23-(3-aminopropyl)-14,20-bis(carboxymethyl)-5-((S)-1-carboxypropan-2-yl)-29-((R)-1-hydroxyethyl)-8-(hydroxymethyl)-17-methyl-4,7,10,13,16,19,22,25,28,31-decaoxo-3,6,9,12,15,18,21,24,27,30-decaazatetradecanedioic acid

CAT No : ALL-D07027

CAS No : N.A.

Molecular Formula : C72H103N17O27

Molecular Weight : 1638.7



Analytical Information

Batch Code	: ALL-D07027	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.58%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.223%	1HNMR	: Confirm
Residue Of Ignition	: 0.201%		

Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.223 + 0.201) \times 98.00] / 100 = 97.58\%$$

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