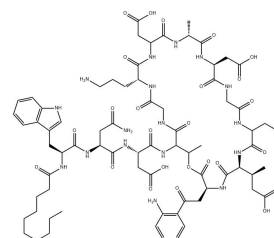


Technical Data Sheet

Daptomycin

Compound Information

Product Name:	Daptomycin
CAS No.:	103060-53-3
Molecular Formula:	C ₇₂ H ₁₀₁ N ₁₇ O ₂₆
Molecular Weight:	1620.67
Storage:	Store at < -20 °C
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Appearance	Pale yellow to yellow powder
Water Content (Karl Fisher)	≤ 5%
pH	3.0 -4.5
Yeast and Mold	≤ 50 cfu/g
Specific Rotation	[α] _{D20} = 17 -25 °
Residual Solvents	Methanol : ≤ 3000 ppm, Ethanol : ≤ 5000 ppm, Ethyl Acetate : ≤ 5000 ppm
Bacterial Endotoxins	≤ 0.2 EU/mg
Microbial Count	≤ 100 cfu/g (TAMC)
Related Substances	Anhydro-Daptomycin : ≤ 2%, Beta Isomer-Daptomycin : ≤ 0.5%, Lactone hydrolysis : ≤ 0.5%, RS-5/6 : ≤ 1%, Ethyl-Daptomycin : ≤ 0.8%, Asp-cyclized-Daptomycin : ≤ 0.35%, Any other individual impurity : ≤ 0.15%, Total impurities : ≤ 5%
Residue On Ignition	≤ 0.1%
Assay (anhydrous basis)	95 -102%
MS	Pass test

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