

Product Name	: Daptomycin
Synonyms	: Cubicin; LY146032
Cat No.	: M10148
CAS Number	: 103060-53-3
Molecular Formula	: C ₇₂ H ₁₀₁ N ₁₇ O ₂₆
Formula Weight	: 1620.68
Chemical Name	: 2,2'-((3S,6S,9R,15S,18R,21S,24S)-30-((S)-2-((S)-4-amino-2-((S)-2-decanamido-3-(1H-indol-3-yl)propanamido)-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
Description	: Daptomycin is a novel antibiotic with rapid in vitro bactericidal activity against gram-positive organisms.
Pathway	: Cell Cycle/DNA Damage
Target	: DNA/RNA Synthesis
Receptor	: DNA synthesis
Solubility	: Water: 100 mg/mL (61.7 mM)
SMILES	: <chem>O=C1NCC(N[C@@H](CCCN)C(N[C@@H](CC(O)=O)C(N[C@H](C)C(N[C@@H](CC(O)=O)C(NCC(N[C@H](CO)C(N[C@@H]([C@H](C)CC(O)=O)C(N[C@@H](CC(C2=CC=CC=C2N)=O)C(OC(C)C1NC([C@@H](NC([C@@H](NC([C@@H](NC(CCCCCCCCC)=O)CC3=CNC4=C3C=CC=C4)=O)CC(N)=O)=O)CC(O)=O)=O)=O)=O)=O)=O)=O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Silverman JA, et al. Antimicrob Agents ChemOthers, 2003, 47(8), 2538-2544.