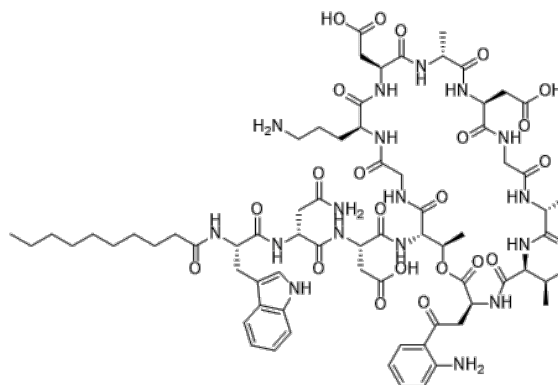


Product Name : Daptomycin
Cat. No. : PC-25829
CAS No. : 103060-53-3
Molecular Formula : C₇₂H₁₀₁N₁₇O₂₆
Molecular Weight : 1620.69
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Daptomycin is (LY 146032) is a cyclic lipopeptide antibiotic against gram-positive organisms, binds to the bacterial cell membranes, causing rapid depolarization of the membrane due to potassium efflux and associated disruption of DNA, RNA, and protein synthesis, induces rapid concentration-dependent bacterial death.

References

Eliopoulos GM, et al. Antimicrob Agents Chemother. 1986 Oct;30(4):532-5.

Verbist L. In vitro activity of LY146032, a new lipopeptide antibiotic, against gram-positive cocci. Antimicrob Agents Chemother. 1987 Feb;31(2):340-2.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com