



>>Entry Name: **Daptomycin**, BAN, INN, USAN

Synonym(s): Deptomycin, 9Cl. Dapcin. LY 146032

CAS Registry Number: 103060-53-3

Molecular Formula: $C_{72}H_{101}N_{17}O_{26}$

Molecular Weight: 1620.688

Accurate Mass: 1619.710373

Percentage Composition: C 53.36%; H 6.28%; N 14.69%; O 25.67%

General Statement: Cyclic lipopeptide antibiotic complex

Biological Source: Prod. by fermentation of *Streptomyces roseosporus*

Use/Importance: Antibacterial agent. Active against methicillin-resistant *Staphylococcus aureus*. Protects against aminoglycoside nephrotoxicity in combination therapy

References:

Eur. Pat., 1986, *Eli Lilly*, 178 152; *CA*, **105**, 41258, (*isol*)

Jones, R.N. *et al.*, *Antimicrob. Agents Chemother.*, 1987, **31**, 625, (*pharmacol*)

Ehlert, F. *et al.*, *Eur. J. Clin. Pharmacol.*, 1987, **6**, 84; 91; 96; 100, (*pharmacol*)

Debono, M. *et al.*, *J. Antibiot.*, 1988, **41**, 1093, (*struct, activity*)

Hamilton-Miller, J.M.T., *J. Antimicrob. Chemother.*, 1988, **21**, 133, (*rev*)

Kreft, B. *et al.*, *J. Antimicrob. Chemother.*, 1990, **25**, 635, (*pharmacokinet, rat*)

Alborn, W.E. *et al.*, *Antimicrob. Agents Chemother.*, 1991, **35**, 2282, (*pharmacol*)

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