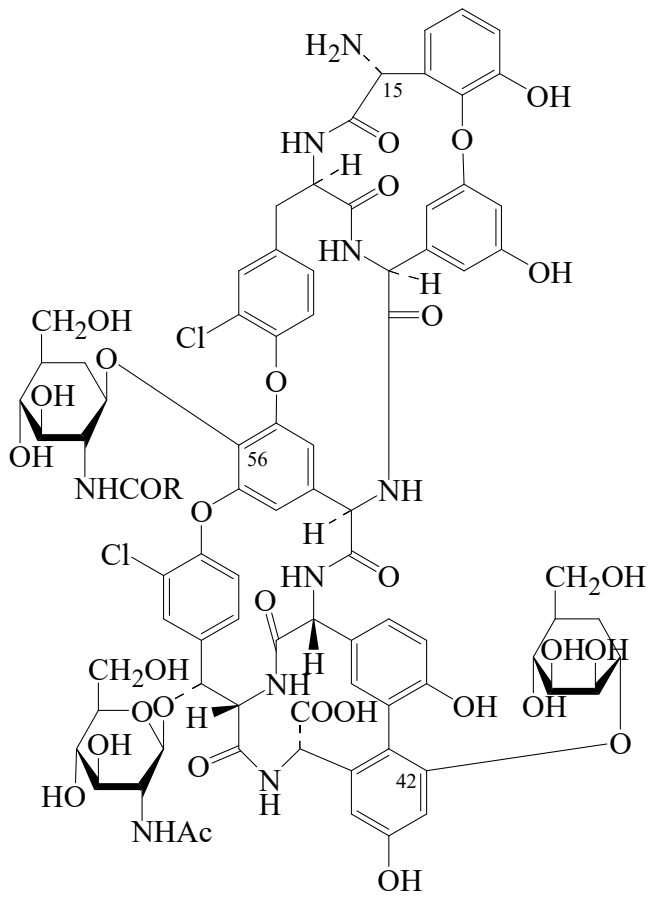
>>**Entry Name: Teicoplanin,** BAN, INN, USAN

Synonym(s): Teichomycin. Tecoplanin. Targocid. Teicomid. 8327A. DL 507IT. L 12507. MDL 507. MW 1900. Antibiotic 8327A. A/8327



CAS Registry Number: 61036-62-2

Biological Source: Isol. from *Actinoplanes teichomyceticus*
Use/Importance: Highly active against staphylococci and gram-positive anaerobes
Biological Use/Importance: Shows 2-4 times the activity of Vancomycin
Development Status: Launched 1988. Currently (1996) available in some European countries, not in USA

>>**Variant: Teicoplanin A_1**

CAS Registry Number: 61036-63-3

Molecular Formula: $C_{142}H_{245}N_{12}O_{69}P$
Molecular Weight: 3255.51
Percentage Composition: C 52.39%; H 7.59%; N 5.16%; O 33.91%; P 0.95%
Use/Importance: Active against gram-positive and negative bacteria
Melting Point: Mp 220 dec.°
Solubility: BERDY SOL: Sol. bases, DMF, DMSO; fairly sol. MeOH, EtOH; poorly sol. acids, butanol, hexane
UV: [neutral] λ_{max} (MeOH) (Berdy)

>>**Variant: Teicoplanin A_2**

CAS Registry Number: 61036-64-4

Use/Importance: Active against gram-negative bacteria
Physical Description: Amorph. powder
Melting Point: Mp 260 dec.°
Solubility: BERDY SOL: Sol. bases; fairly sol. MeOH, EtOH; poorly sol. acids, butanol, hexane
UV: [base] λ_{max} 278 (E1%/1cm 55) (pH 8 buffer) (Berdy) [acid] λ_{max} 278 (E1%/1cm 53) (HCl) (Berdy)
Other Data: Major component of Teicoplanin complex consisting of five factors A 2-1 to A 2-5
Hazard & Toxicity: LD_{50} (mus, ivn) 275 mg/kg ; BERDY HAZD : LD_{50} (mus, ipr) 1000 mg/kg , LD_{50} (mus, ivn) 275 mg/kg

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