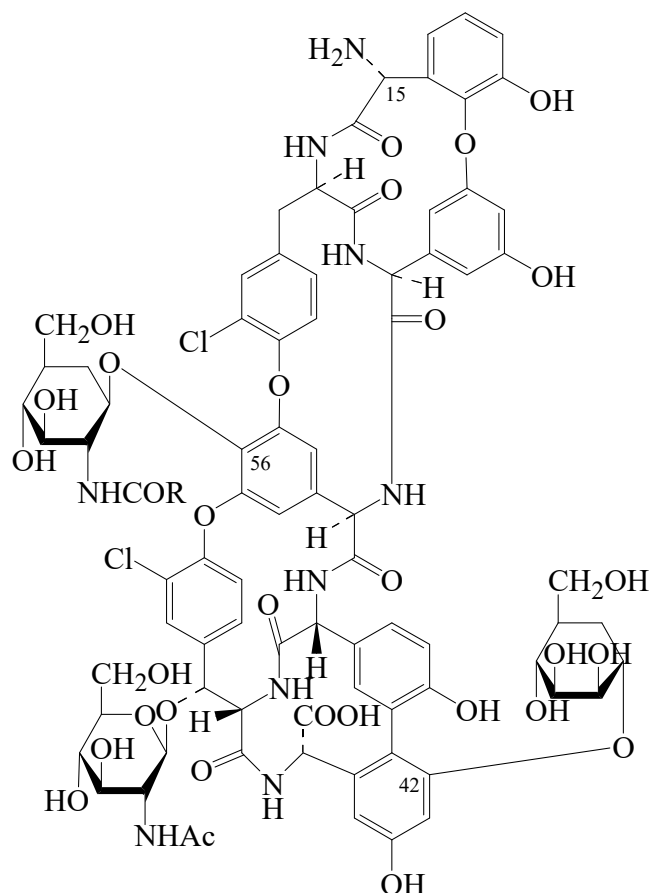




>>Entry Name: **Teicoplanin**, BAN, INN, USAN

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 A₁**

CAS Registry Number: 61036-63-3

Molecular Formula: C₁₄₂H₂₄₅N₁₂O₆₉P

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 A₂**

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: LD₅₀ (mus, ivn) 275 mg/kg ; BERDY HAZD : LD₅₀ (mus, ipr) 1000 mg/kg , LD₅₀ (mus, ivn) 275 mg/kg