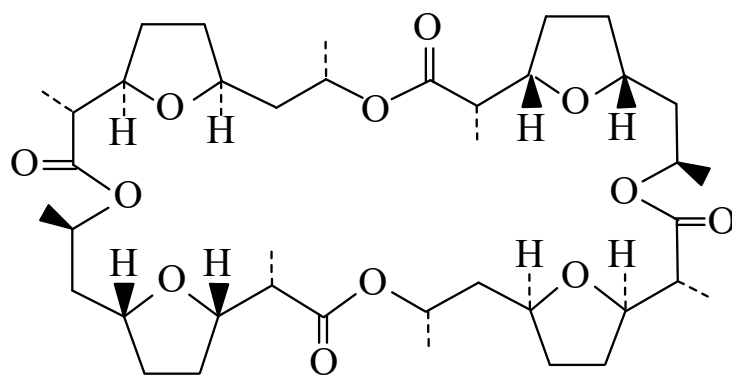




>>Entry Name: Nonactin

Synonym(s): Werramycin. FH 3582A. NSC 52141. AKD 1A. Antibiotic AKD 1A



CAS Registry Number: 6833-84-7

Molecular Formula: $C_{40}H_{64}O_{12}$

Molecular Weight: 736.938

Accurate Mass: 736.43978

Percentage Composition: C 65.19%; H 8.75%; O 26.05%

Biological Source: Isol. from several *Actinomyces* spp.

Use/Importance: Particularly active against gram-positive bacteria

Physical Description: Needles (MeOH)

Melting Point: Mp 149-150°

Optical Rotation: $[\alpha]_D^{20}$ 0 (c, 2.0 in $CHCl_3$)

UV: [neutral] λ_{max} 0 (end) (ϵ) (MeOH) (Derep)

Other Data: Effectively coordinates to a variety of metal cations

Hazard & Toxicity: LD₅₀ (mus, ivn) 246 mg/kg

Fluka: 9877

Sigma: N8135

>>Derivative: KNCS complex

Melting Point: Mp 251-254°

References:

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