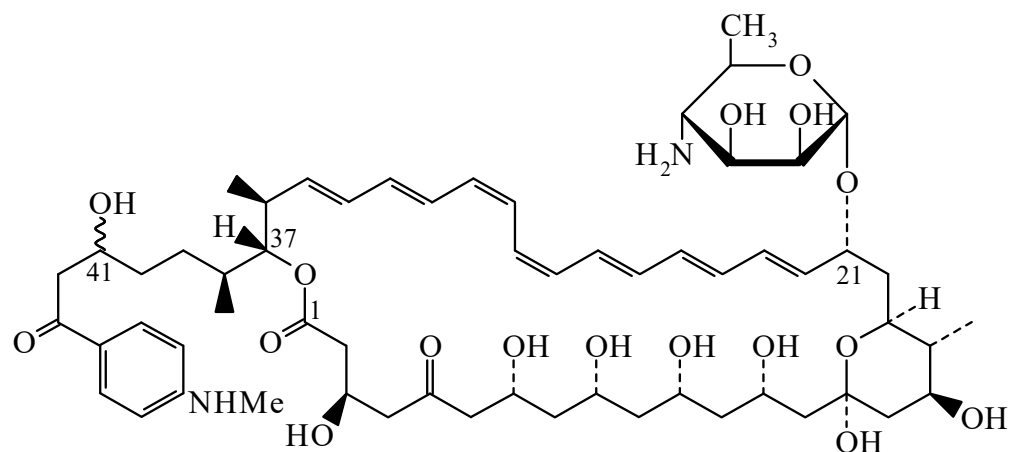




>>Entry Name: Perimycin

Synonym(s): Aminomycin. Fungimycin, USAN. NC 1968. WX 2416. Antibiotic NC 1968. Antibiotic WX 2416. WX 2412



CAS Registry Number: 11016-07-2

Related CAS Registry Numbers(s): 62327-61-1

Molecular Formula: C₅₉H₈₈N₂O₁₇

Molecular Weight: 1097.347

Accurate Mass: 1096.608303

Percentage Composition: C 64.58%; H 8.08%; N 2.55%; O 24.79%

to this component. Struct. revised in 1995

Biological Source: Isol. from *Streptomyces coelicolor* var. *aminophilus*

Biological Use/Importance: Antifungal antibiotic

Physical Description: Yellow-gold solid

Optical Rotation: $[\alpha]_D^{25} +95$ (c, 0.5 in DMF)

Solubility: BERDY SOL: Sol. MeOH, AcOH, butanol-H₂O, DMF, Me₂CO-H₂O, Py; fairly sol. EtOH; poorly sol. H₂O, Me₂CO, hexane

UV: [neutral] $\lambda_{\max}$ 361 (E1%/1cm 750); 383 (E1%/1cm 1000); 402 (E1%/1cm 970) (MeOH) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ivn) 250 mg/kg

References:

Borowski, E. *et al.*, *Antimicrob. Agents Ann.*, 1960, 532

U.K. Pat., 1960, 828 792; *CA*, **54**, 15828, (*isol*)

Mohan, R.R. *et al.*, *Antimicrob. Agents Chemother.*, 1963, 462, (*manuf. props*)

Pawlak, J. *et al.*, *J. Antibiot.*, 1995, **48**, 1034, (*struct*)