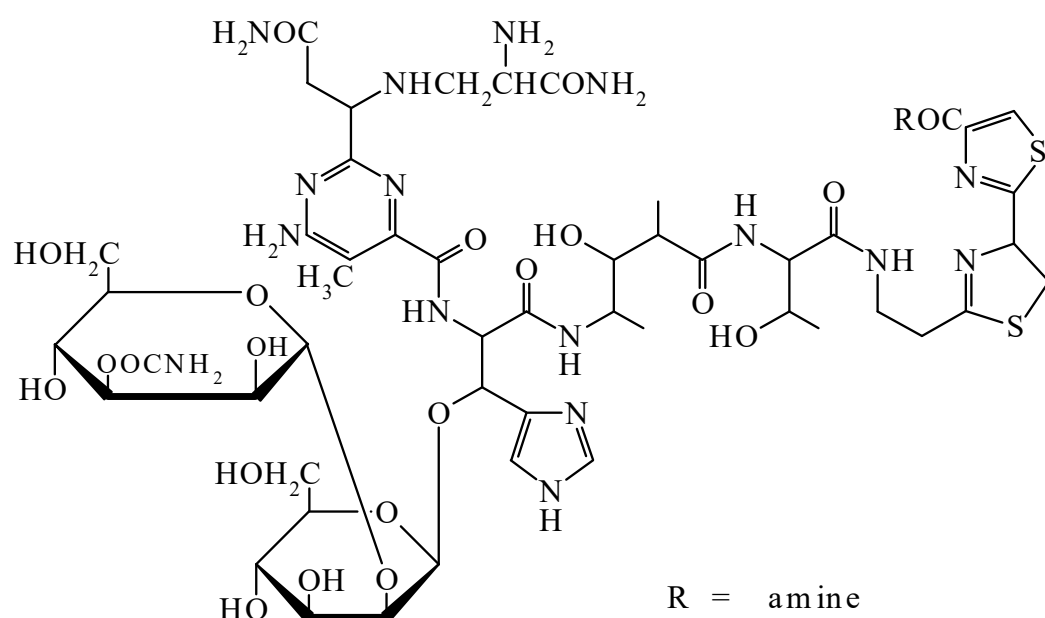




>>Entry Name: Phleomycin



CAS Registry Number: 11006-33-0

Biological Source: Derived from *Streptomyces verticillus*

Use/Importance: Active against gram-positive and -negative bacteria and tumours, inhibitor of nucleic acid synth.

UV: [neutral] $\lambda_{\max}$ 245 (ϵ 23600); 296 (ϵ 19600) (H₂O) (Derep) [neutral] $\lambda_{\max}$ 244 (ϵ 24500); 298 (ϵ 8300); 615 (ϵ 100) (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 244 (E1%/1cm 135); 297 (E1%/1cm 47) (H₂O) (Berdy)

Other Data: A complex mixt. of amines Phleomycins A, C, D₁, D₂, E, F, G and H derived by directed biosynth. or semisynth. See also Bleomycins

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ivn) 40 - 50 mg/kg , LD₅₀ (mus, ivn) 150 mg/kg

Fluka: 79305

Sigma: P7423

>>Derivative: Reineckate

Melting Point: Mp 195-197°

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