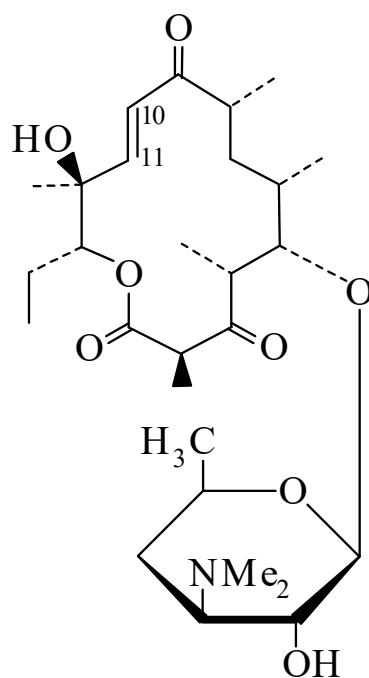




>>Entry Name: Picromycin

Synonym(s): Amaromycin. Albomycetin. Argomycin. Pikromycin. B 62169A. Antibiotic B 62169A



CAS Registry Number: 19721-56-3

Molecular Formula: $C_{28}H_{47}NO_8$

Molecular Weight: 525.681

Accurate Mass: 525.330169

Percentage Composition: C 63.98%; H 9.01%; N 2.66%; O 24.35%

Biological Source: Produced by *Streptomyces felleus*, *Streptomyces albus* and *Streptomyces griseolus*

Use/Importance: Active against gram-positive bacteria including mycobacteria

Physical Description: Cryst.

Melting Point: Mp 169.5° (166°)

Optical Rotation: $[\alpha]_D^{20} -33.5$ (c, 2.07 in $CHCl_3$)

Hazard & Toxicity: LD₅₀ (mus, orl) 1500 mg/kg

>>Derivative: Aglycone

>>Derivative: 10,11-Dihydro

Synonym(s): Dihydropicromycin

CAS Registry Number: 27656-56-0

Molecular Formula: $C_{28}H_{49}NO_8$

Molecular Weight: 527.697

Accurate Mass: 527.345819

Percentage Composition: C 63.73%; H 9.36%; N 2.65%; O 24.26%

Biological Source: From *Streptomyces venezuelae*

Use/Importance: Active against gram-positive bacteria; animal growth promoter

Physical Description: Rhomboids

Melting Point: Mp 137°

Solubility: BERDY SOL: Sol. MeOH, Et₂O; poorly sol. H₂O

UV: [neutral] λ_{max} (MeOH) (Berdy) [base] λ_{max} 294 (ε 20000) (MeOH-NAOH) (Berdy)

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