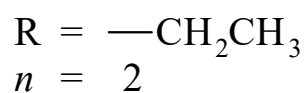
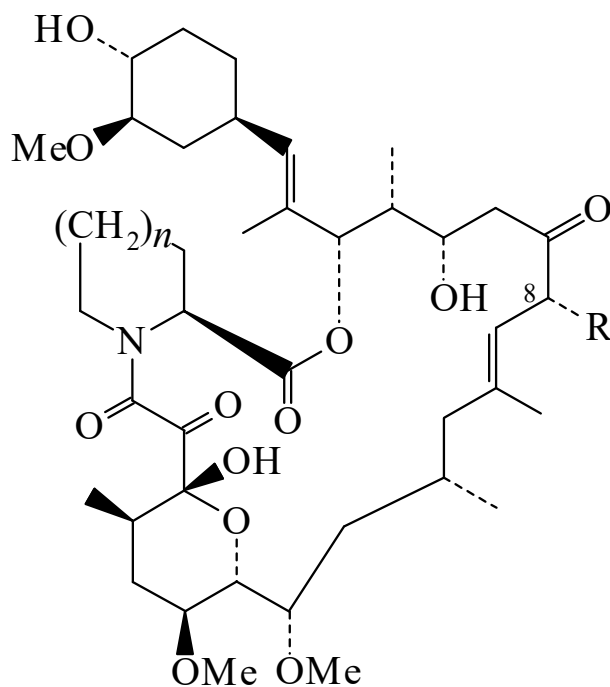




>>Entry Name: Ascomycin

Synonym(s): L 683590. Antibiotic L 683590. FR 900520. Antibiotic FR 900520. Immunomycin. FK 520. Antibiotic FK 520. WS 7238A. Antibiotic WS 7238A. NSC 106410



CAS Registry Number: 104987-12-4

Extra CAS Registry Numbers(s): 126340-36-1

Molecular Formula: C₄₃H₆₉NO₁₂

Molecular Weight: 792.018

Accurate Mass: 791.481979

Percentage Composition: C 65.21%; H 8.78%; N 1.77%; O 24.24%

General Statement: Macrolide-related antibiotic

Biological Source: Isol. from *Streptomyces hygroscopicus yakushimaensis*, *Streptomyces hygroscopicus* var. *ascomyceticus* and *Streptomyces tsukubaensis*

Use/Importance: Immunosuppressant

Physical Description: Plates (Et₂O)

Melting Point: Mp 163-165°

Optical Rotation: [α]_D²³ -84.1 (c, 1 in CHCl₃)

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

Fluka: 11134

>>Derivative: 9-Deoxo

Synonym(s): 9-Deoxo FR 900520

CAS Registry Number: 144939-83-3

Molecular Formula: C₄₃H₇₁NO₁₁

Molecular Weight: 778.034

Accurate Mass: 777.502714

Percentage Composition: C 66.38%; H 9.20%; N 1.80%; O 22.62%

Biological Source: Prod. by *Streptomyces braegensis*

Biological Use/Importance: Immunosuppressant

Physical Description: Powder