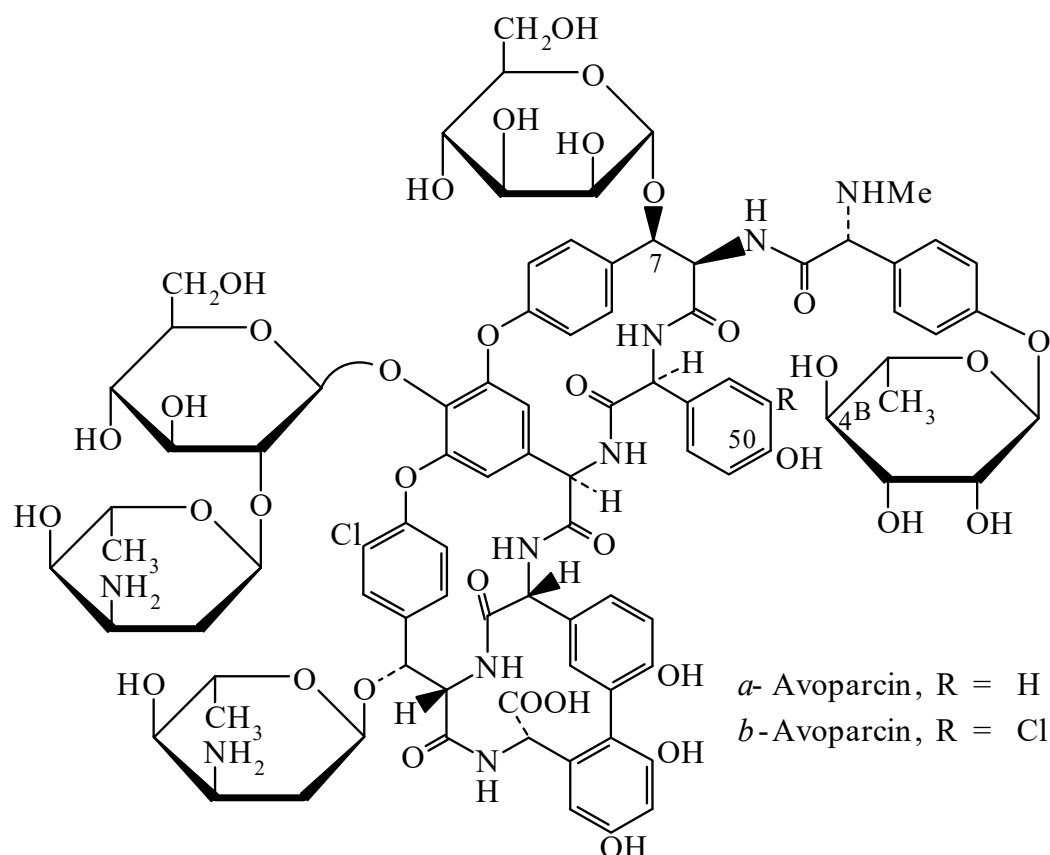




>>Entry Name: Avoparcin, 9CI, BAN, INN, USAN

Synonym(s): LL-AV 290. Antibiotic LL-AV290. Avotan. Antibiotic AV 290. Antibiotic C 254. Antibiotic CL 81588. AV 290. C 254. CL 81588



CAS Registry Number: 37332-99-3

General Statement: Glycopeptide antibiotic complex

Biological Source: Prod. by *Streptomyces candidus*

Use/Importance: Antibacterial agent, animal growth promotant

Physical Description: Hygroscopic amorph. solid

Optical Rotation: $[\alpha]_D^{25} -95$ (c, 0.78 in H₂O)

Other Data: No definite Mp. $\lambda_{\max}$ 280 nm (neutral or acid solns.); 300 nm (alkali)

>>Derivative: Sulfate

Optical Rotation: $[\alpha]_D^{25} -86$ (c, 0.925 in H₂O)

>>Variant: α -Avoparcin

CAS Registry Number: 73957-86-5

Molecular Formula: C₈₉H₁₀₂ClN₉O₃₆

Molecular Weight: 1909.276

Accurate Mass: 1907.611608

Percentage Composition: C 55.99%; H 5.38%; Cl 1.86%; N 6.60%; O 30.17%

Optical Rotation: $[\alpha]_D^{25} -96$ (c, 0.62 in 0.1M HCl)

UV: [acid] $\lambda_{\max}$ 280 (E1%/1cm 42) (HCl) (Berdy)

Other Data: Separated from β -Avoparcin by HPLC

>>Variant: β -Avoparcin

Synonym(s): 49-Chloroavoparcin α , 9CI

CAS Registry Number: 73957-87-6

Molecular Formula: C₈₉H₁₀₁Cl₂N₉O₃₆

Molecular Weight: 1943.721

Accurate Mass: 1941.572635

Percentage Composition: C 55.00%; H 5.24%; Cl 3.65%; N 6.49%; O 29.63%

Physical Description: Solid