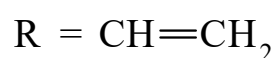
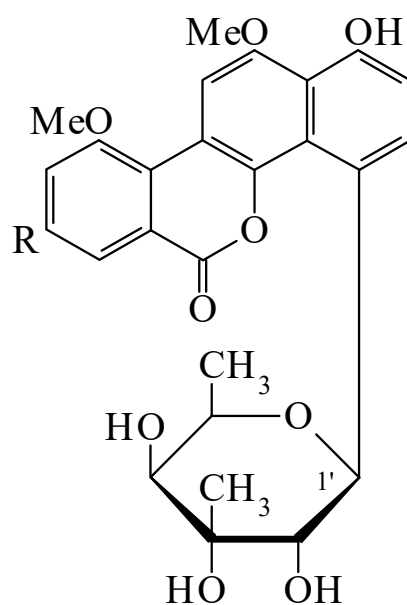




>>Entry Name: Chrysomycin A

Synonym(s): Chrysomycin V. Virenomycin V



CAS Registry Number: 82196-88-1

Related CAS Registry Numbers(s): 1403-38-9 83138-95-8

Molecular Formula: C₂₈H₂₈O₉

Molecular Weight: 508.524

Accurate Mass: 508.173335

Percentage Composition: C 66.13%; H 5.55%; O 28.32%

General Statement: C-Glycoside antibiotic. Identity of Chrysomycin A and Virenomycin V not conclusively establ. (sugar stereochem. not fully clear). Props. are similar

Biological Source: From *Streptomyces* sp. A-419 and *Streptomyces virens*

Use/Importance: Active against gram-positive bacteria and bacteriophages. Weakly active against gram-negative bacteria and some fungi

Physical Description: Greenish-yellow needles or yellow cryst.

Melting Point: Mp 240 subl.°. Mp 255-260 dec.°

Optical Rotation: [α]_D²²+16 (c, 1 in AcOH). [α]_D²⁰+12.5 (c, 0.24 in AcOH)

>>Derivative: Tri-Ac

Melting Point: Mp 311-312°

Other Data: λ_{max} 217, 251, 265, 307, 325, 337, 392 nm (CHCl₃)

>>Derivative: 1'-Epimer

Synonym(s): Albacarcin V

CAS Registry Number: 92841-46-8

Molecular Formula: C₂₈H₂₈O₉

Molecular Weight: 508.524

Accurate Mass: 508.173335

Percentage Composition: C 66.13%; H 5.55%; O 28.32%

Biological Source: Isol. from *Streptomyces albaduncas*

Use/Importance: Antitumour and antibacterial substance

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

UV: [neutral] λ_{max} 246 (ε 33259); 286 (ε 33970); 392 (ε 7272) (MeOH) (Berdy)

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Asheshov, I.N. *et al.*, *Antibiot. Chemother. (Washington, D.C.)*, 1954, **4**, 380

Strelitz, F. *et al.*, *J. Bacteriol.*, 1955, **69**, 280, (*isol*)

Gauze, G.F. *et al.*, *Antibiotiki (Moscow)*, 1977, **22**, 963, (*isol*)

Brazhnikova, M.G. *et al.*, *Antibiotiki (Moscow)*, 1977, **22**, 967, (*props*)

Kudinova, M.K. *et al.*, *Antibiotiki (Moscow)*, 1982, **27**, 507, (*isol*)

Weiss, U. *et al.*, *J. Antibiot.*, 1982, **35**, 1194, (*struct*)

U.S. Pat., 1984, 4 461 831; *CA*, **102**, 4456, (*Albacarcin V*)