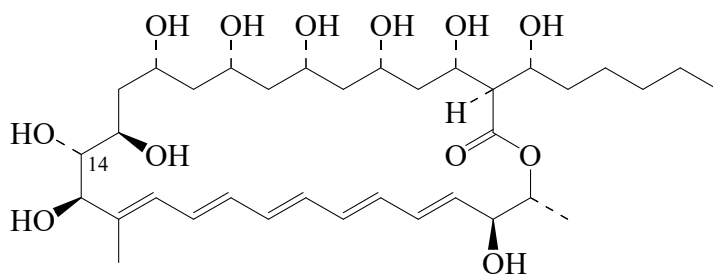




>>Entry Name: Fungichromin

Synonym(s): 14-Hydroxyfilipin III. Cantricin. Cogomycin. **Lagosin†**. Moldocidin B. A 246. NSC 105388. Antibiotic A 246. Moldocidin B. FCRC 21. Pentamycin. Antibiotic FCRC 21



CAS Registry Number: 6834-98-6

Extra CAS Registry Numbers(s): 11006-45-4

Molecular Formula: C₃₅H₅₈O₁₂

Molecular Weight: 670.836

Accurate Mass: 670.39283

Percentage Composition: C 62.67%; H 8.71%; O 28.62%

General Statement: Polyene antibiotic

Biological Source: Prod. by *Streptomyces cellulosae*, *Streptomyces griseofuscus*, *Streptomyces pentaticus* and other *Streptomyces* spp.

Biological Use/Importance: Antifungal agent

Physical Description: Needles (MeOH), hydrate pale-yellow cryst.

Melting Point: Mp 235 dec.° (hydrate 205-210°)

Optical Rotation: [α]_D -160 (c, 0.2 in MeOH). [α]_D -246 (c, 1 in Py)

UV: [neutral] $\lambda_{\max}$ 310 (sh) (ϵ); 323 (ϵ 64300); 339 (ϵ 104000); 357 (ϵ 97800) (MeOH) (Derep)

Other Data: $\lambda_{\max}$ 322.5, 338.5 and 356.5 nm. Contains 1 major and several minor components; one is Filipin III. Fungichromin is a minor component of the Filipin complex.

Hazard & Toxicity: LD₅₀ (mus, orl) 1624 mg/kg

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