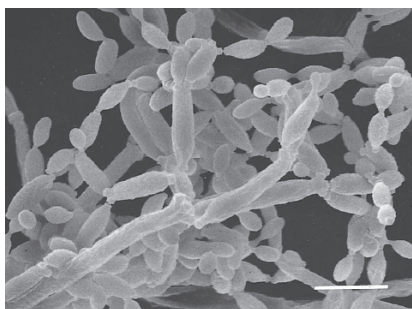


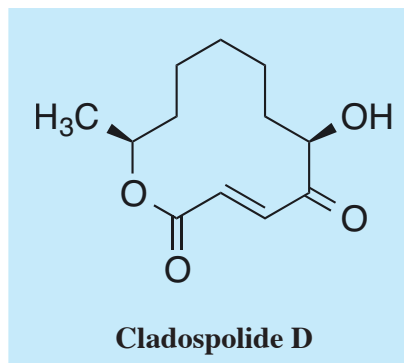
Cladospolide D

1. Discovery, producing organism and structure¹⁾

Cladospolide D was isolated from the culture broth of the fungal strain *Cladosporium* sp. FT-0012 and identified as a compound possessing antifungal activity against *Pyricularia oryzae* and *Mucor racemosus*. The total syntheses of cladospolide D have been reported by three groups.²⁻⁵⁾ The first total synthesis was achieved by Hou *et al.*²⁾ (See Appendix I).



Cladosporium sp. FT-0012
Bar: 10 μm



2. Physical data

Colorless Oil. $\text{C}_{12}\text{H}_{18}\text{O}_4$; mol wt 226.12. Sol. in MeOH, CHCl_3 , CH_3CN , acetone, EtOH, EtOAc. Insol. in H_2O , hexane.

3. Biological activity¹⁾

Antimicrobial activity

Test organism	IC ₅₀ ($\mu\text{g/ml}$)
<i>Mucor racemosus</i> KF 223	0.15
<i>Pyricularia oryzae</i> KB 180	29

4. Reference

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