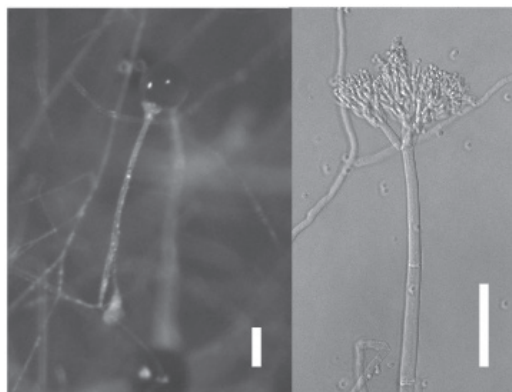


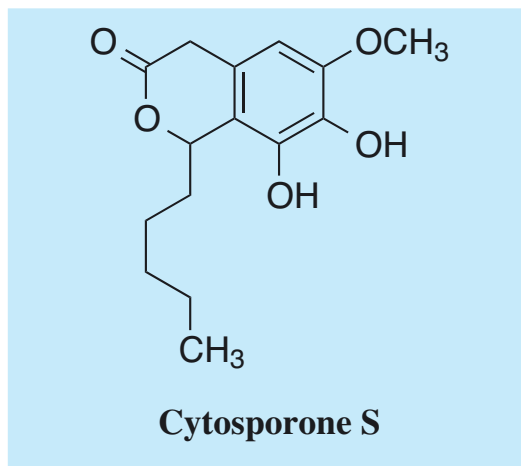
Cytosporone S

1. Discovery, producing organism and structure¹⁾

Cytosporone S was isolated from the culture broth of a fungus, *Trichoderma* sp. FKI-6626 and found to possess antimicrobial activity against bacteria (Gram-positive and Gram-negative) and fungi.



Trichoderma sp. FKI-6626



2. Physical data

White amorphous solid. $C_{15}H_{20}O_5$; mol wt 280.32. Sol. in MeOH, $CHCl_3$.

3. Biological activity¹⁾

1) Antimicrobial activity

Cytosporone S showed broad-spectrum weak antimicrobial activity against various strains of Gram-positive and Gram-negative bacteria as well as fungi, with MICs ranging from 12.5 to 100 $\mu\text{g/mL}$.

4. Reference

- [1145] T. Ishii *et al.*, *Bioorg. Med. Chem. Lett.* **23**, 679-681 (2013)