Cytosporone S

1. Discovery, producing organism and structure
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](image)

![Cytosporone S](image)

2. Physical data
White amorphous solid. C_{15}H_{20}O_{5}; mol wt 280.32. Sol. in MeOH, CHCl_{3}.

3. Biological activity
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