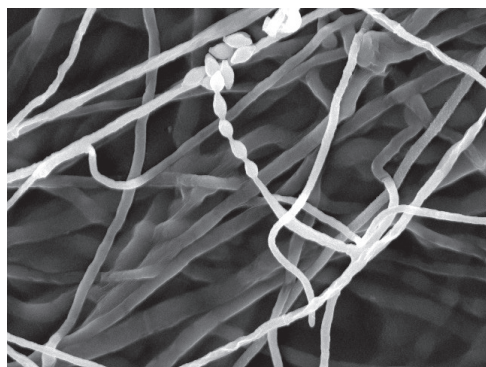


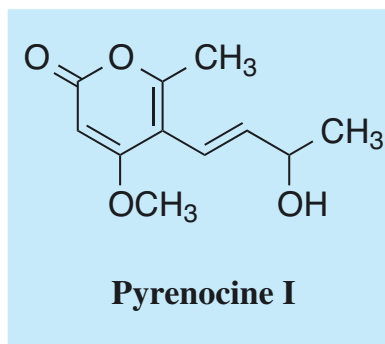
# Pyrenocine I

## 1. Discovery, producing organism and structures<sup>1)</sup>

Pyrenocine I was found together with known compounds, pyrenocine A, pyrenocine B and citreoviridin, in a culture broth of a fungal strain, *Paecilomyces* sp. FKI-3573. It proved to be an antitrypanosomal  $\alpha$ -pyrone compound, exhibiting moderate *in vitro* antitrypanosomal activity.



*Paecilomyces* sp. FKI-3573



## 2. Physical data (Pyrenocine I)

Yellow amorphous solid.  $C_{11}H_{14}O_4$ ; mol wt 210.23. Sol. in  $CHCl_3$ .

## 3. Biological activity<sup>1)</sup>

Pyrenocine I displayed moderate antitrypanosomal activity against *T. b. brucei* GuTat3.1 strain with an  $IC_{50}$  value of  $1.8 \mu\text{g/mL}$ .

## 4. Reference

- [1071] J. Hashida *et al.*, *J. Antibiot.* **63**, 559-561 (2010)