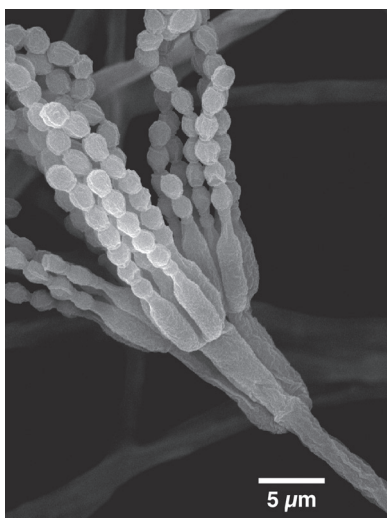


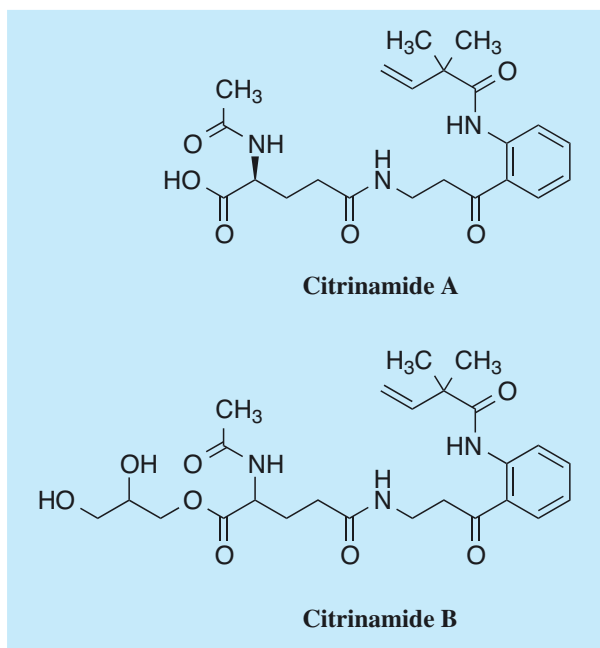
Citrinamide

1. Discovery, producing organism and structure^{1,2)}

Citrinamides A and B were found in a cultured broth of a fungal strain, *Penicillium* sp. FKI-1938 and shown to be potentiators of the antifungal miconazole activity against *Candida albicans*.



Penicillium sp. FKI-1938



2. Physical data (Citrinamide A)

Brown solid. $C_{22}H_{29}N_3O_6$; mol wt 431.48. Sol. in MeOH, $CHCl_3$, EtOAc, Insol. in H_2O .

3. Biological activity¹⁾

1) Miconazole-potentiating activity

Citrinamides A and B showed no antifungal activity against *Candida albicans* even at 250 $\mu g/mL$. However, both citrinamide A and B decreased the IC_{50} values of miconazole antifungal activity from 9.1 to 5.0 and 4.4 nM, respectively.

4. References

- [1022] T. Fukuda *et al.*, *J. Antibiot.* **61**, 550-555 (2008)