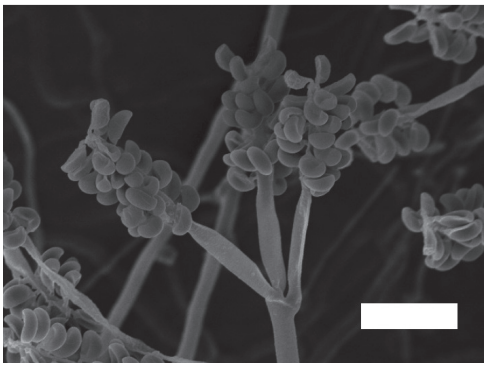
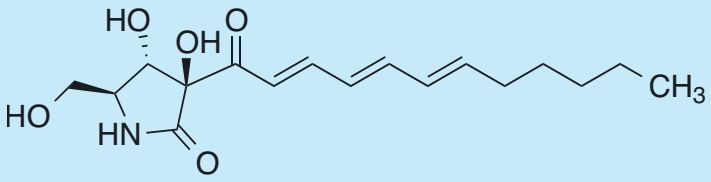
Virgaricin

1. Discovery, producing organism and structure[1,2)]

Virgaricin was isolated from a culture broth of a new fungal species, *Virgaria boninensis* FKI-4860^T, as a result of investigation of the organism's metabolites. Virgaricin exhibited some weak antimicrobial activity.



Virgaria boninensis FKI-4860^T
Bar: 10 μm



Virgaricin

2. Physical data[1)]

A colorless oil. $C_{17}H_{25}NO_5$; mol wt 323.38. Sol. in DMSO, MeOH, $CHCl_3$.

3. Biological activity[1)]

1) Antimicrobial activity

Using paper disc assay, virgaricin displayed weak activity against *Bacillus subtilis* KB211 (100 μg/disc), but was inactive against *Aspergillus niger* KF103, *Candida albicans* KF1, *Escherichia coli* KB213, *Micrococcus luteus* KB212, *Mucor ravemosus* KF223, *Saccharomyces cerevisiae* KF237 and *Xanthomonas campestris* pv. *oryzae* KB88 at the same dose.

4. References

1. [1116] T. Ishii *et al., J. Antibiot.* **65**, 139-141 (2012)
2. [1143] K. Nonaka *et al., Mycoscience* **54**, 394-399 (2013)