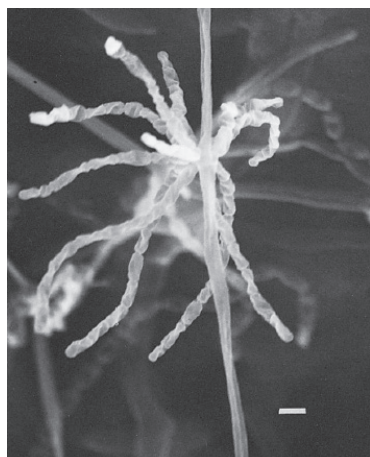


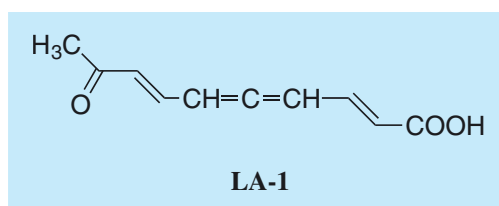
# LA-1

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

LA-1 was isolated from the culture broth of the mutant strain NU-4-4-2, which was obtained from nitrosoguanidine and UV treatment of the leucomycin producing strain, *Streptomyces kitasatoensis* KA-6. LA-1 transiently accumulated prior to leucomycin production. LA-1 is an oxo-unsaturated fatty acid with a conjugated allene segment. Although LA-1 shows barely detectable antimicrobial activity against Gram-positive bacteria, unsaturated fatty acids were isolated from other macrolide producing strains.



*Streptomyces kitasatoensis* KA-6



## 2. Physical data<sup>1)</sup>

$C_{10}H_{10}O_3$ ; mol wt 178.06. Sol. in EtOAc,  $CHCl_3$ .

## 3. Reference

- [120] S. Ōmura, *et al.*, *Chem. Pharm. Bull.* **24**, 3139-3143 (1976)