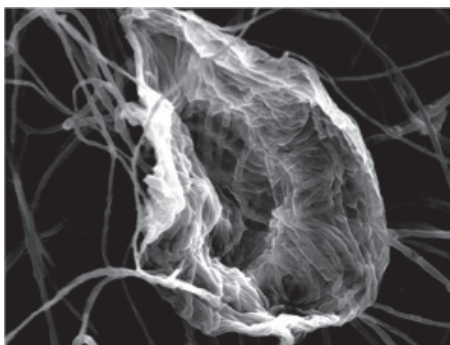


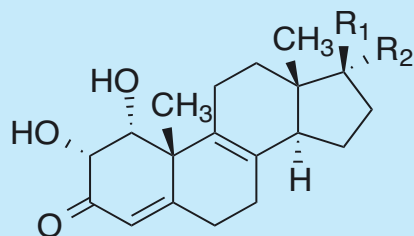
# K10-0216

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

K10-0216 KA and KB were discovered in a culture broth of an endophytic actinomycete strain, *Lechevalieria aerocolonigenes* K10-0216 by Physicochemical Screening. Both compounds have a steroid skeleton. K10-0216 KB showed slightly stronger inhibitory activity compared to testosterone using the lipid accumulation test in 3T3-L1 adipocytes.



*Lechevalieria aerocolonigenes* K10-0216



	R <sub>1</sub>	R <sub>2</sub>
<b>K10-0216KA</b>	-OH	-H
<b>K10-0216KB</b>	-O-	-

## 2. Physical data (K10-0216 KA)

White powder. C<sub>19</sub>H<sub>26</sub>O<sub>4</sub>; mol wt 318.41. Sol. in MeOH.

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

### 1) Inhibitor of lipid accumulation

K10-0216 KB showed slightly stronger inhibitory activity of lipid accumulation in 3T3-L1 adipocytes than testosterone, whereas K10-0216 KA had no effect even at 100 μM.

## 4. References

- [1179] T. Nakashima *et al.*, *J. Antibiot.* **68**, 348-350 (2015)