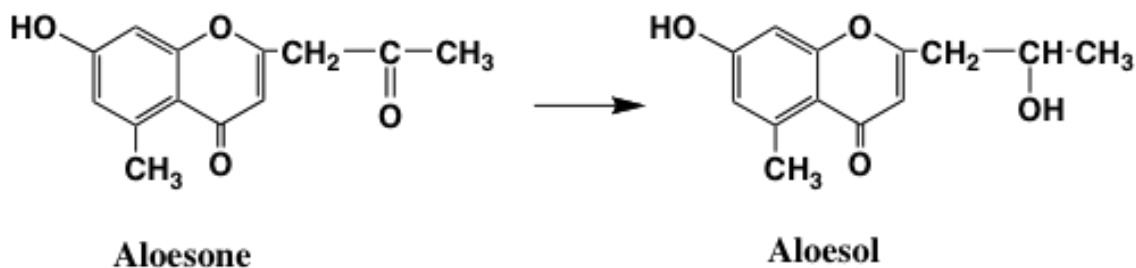


## Aloesone



## 代謝実験

腸内細菌代謝 ヒト腸内細菌フローラ

### Preparation of a bacterial mixture from human feces

Fresh feces from a healthy man were thoroughly suspended in 50 volume of 0.2 M phosphate buffer (pH 7.2), filtered through layers of gauze to eliminate the sediment. The filtrate was used as an intestinal bacterial mixture in the following experiments. [Che *et al.*, *Chem. Pharm. Bull.*, **39**, 704-708 (1991)]

### Incubation of aloesone with an intestinal bacterial mixture

Aloesone (30 mg, **3**) in DMSO (0.2 ml) was incubated with an intestinal bacterial mixture (30 ml) for 3 d at 37 °C in an anaerobic box. The incubation mixture was concentrated *in vacuo*, followed by preparative TLC on silica gel with EtOAc to give *dl*-aloesol (**2**) in a yield of 18 mg (59%). [Che *et al.*, *Chem. Pharm. Bull.*, **39**, 704-708 (1991)]

## 参考文献

1) Che Q. M., Akao T., Hattori M., Kobashi K. and Namba T.: Metabolism of aloesin and related compounds by human intestinal bacteria: A bacterial cleavage of the C-glucosyl bond and the subsequent reduction of the acetonyl side chain. *Chem. Pharm. Bull.*, **39**, 704-708 (1991).