

# Microbial Metabolism of (+)-Cycloisolongifol-5 $\beta$ -ol

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Microbial transformation of a cyclic sesquiterpene, (+)-cycloisolongifol-5 $\beta$ -ol (**1**), was carried out with the fungus *Cunninghamella elegans*, resulting in three new metabolites, cycloisolongifol-3 $\beta$ , 5 $\beta$ -diol (**2**), cycloisolongifol-5 $\beta$ -ol-11-one (**3**), and cycloisolongifol-3 $\beta$ , 5 $\beta$ , 11 $\alpha$ -triol (**4**). The structures of new compounds were deduced on the basis of spectroscopic evidences.

*Key words:* Microbial Transformation, *Cunninghamella elegans*, Cycloisolongifol-3 $\beta$ , 5 $\beta$ -diol, Cycloisolongifol-5 $\beta$ -ol-11-one, Cycloisolongifol-3 $\beta$ , 5 $\beta$ , 11 $\alpha$ -triol