

# Microbial Transformation of a Mixture of Argentatin A and Incanilin

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The biotransformation of a mixture of argentatin A (20%) **1** and incanilin (80%) **2** by *Gibberella suabini* ATCC 20193 and *Septomyxa affinis* ATCC 6737 demonstrated the conversion of incanilin to 16 $\beta$ -hydroxylanosta-2, 8, 23-triene, while argentatin A did not react. The acetate of this triterpenoid mixture was biotransformed by *Septomyxa affinis* ATCC 6737 to give five metabolites. Argentatin A acetate was transformed to 3 $\beta$ , 16 $\beta$ , 30-trihydroxy-cycloart-20, 24-diene, 20*R*, 24*R*-epoxy-16 $\beta$ , 25-dihydroxy-3, 4-seco-cycloart-4(28)-en-3-oic acid acetate and 20*R*, 24*R*-epoxy-16 $\beta$ , 25-dihydroxy-3, 4-seco-cycloart-4(28)-en-3-oic acid. Incanilin acetate was converted to 16 $\beta$ -hydroxylanosta-2, 8, 23-triene and 20*R*, 24*R*-epoxy-16 $\beta$ , 25-dihydroxy-3, 4-seco-lanost-1, 4(28), 8-trien-3-oic acid acetate. The structural elucidations of these metabolites were achieved by different spectroscopic methods.