

Title (en)

MICROBIAL 9 $\beta$ (a)-HYDROXYLATION OF STEROIDS

Title (de)

9 $\alpha$ -HYDROXYLIERUNG VON STEROIDEN IN MIKROORGANISMEN

Title (fr)

9 $\beta$ (a)-HYDROXYLATION MICROBIENNE DE STEROIDES

Publication

**EP 1232278 A1 20020821 (EN)**

Application

**EP 00977417 A 20001017**

Priority

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Abstract (en)

[origin: WO0131050A1] A method is described to construct genetically modified strains of steroid degrading micro-organisms wherein multiple genes involved in steroid nucleus degradation are inactivated, such as steroid dehydrogenase genes. Examples for such genes are kstD1 and kstD2: strains with multiple inactivated steroid degrading enzyme genes can be used in the accumulation of steroid intermediates with a high yield. A preferred accumulation product is 9  $\alpha$  -hydroxy-4-androstene-3,17-dione.

IPC 1-7

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See references of WO 0131050A1

Citation (examination)

- KIESLICH (1985) J. Basic Microbiol. 25, 461-474.
- WOVCHA ET AL. (1979) Biochim. Biophys. Acta 574, 471-479.

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