

Title (en)

METHOD FOR EXPOXIDIZING OR DIHYDROXYLATING UNSATURATED FATTY ACIDS

Title (de)

VERFAHREN ZUR EPOXIDIERUNG ODER DIHYDROXYLIERUNG VON UNGESÄTTIGTEN FETTSÄUREN

Title (fr)

PROCEDE D'EPOXIDATION OU DE DIHYDROXYLATION D'ACIDES GRAS UNSATURES

Publication

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Application

**EP 00901668 A 20000128**

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Abstract (en)

[origin: FR2789073A1] The invention relates to a method for the production of monocarboxylic fatty acid derivatives, comprising at least two vicinal hydroxyl functions and/or at least one epoxide function from unsaturated fatty acids and/or the derivatives thereof. The inventive method consists in bringing at least one reagent chosen from among said unsaturated fatty acids in the form of an acid and/or ester into contact with hydrogen peroxide in the presence of a tungsten and/or molybdenum compound. The reaction is conducted in the presence of a co-catalyst of formula (I): (R<1>)2-C(OH)-C(OH)-(R<2>)2 or formula (II). The reaction is carried out at a temperature ranging between 80-100 DEG C and involves introducing the hydrogen peroxide in such a way that the concentration thereof in the reaction medium does not exceed 20 % of the weight of the reaction product.

IPC 1-7

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