Title (en)

PROCESS FOR RECOVERY OF A $g(b)-LACTAM ANTIBIOTIC

Title (de)

VERFAHREN ZUR GEWINNUNG VON EINEM BETA-LAKTAM ANTIBIOTIKUM

Title (fr)

METHODE DE RECUPERATION DE BETA-LACTAMINE

Publication

EP 1017699 A1 20000712 (EN)

Application

EP 98944338 A 19980918

Priority

- NL 9800539 W 19980918
- NL 1007076 A 19970919

Abstract (en)

[origin: WO9915532A1] Process for recovery of a beta -lactam antibiotic from a mixture containing beta -lactam antibiotic and D-phenyl glycine (FG) in solution, with the mixture being brought to a pH between 3 and 8 at a temperature between -5 and 20 DEG C and at a concentration such that FG remains in solution, the solid beta -lactam antibiotic obtained being recovered and the remaining liquid being subjected to a temperature increase to a temperature between 10 and 60 DEG C, with formation of solid FG, FG being separated out as a solid, and the mother liquor being at least partially recirculated. Use is preferably made of an initial mixture substantially containing beta -lactam antibiotic and FG originating from an enzymatic acylation reaction in which the corresponding beta -lactam nucleus, in particular 6-aminopenicillanic acid, 7-aminodesacetoxycephalosporanic acid and 7-amino-3-chloro-cef-3-em-4-carboxylic acid, is acylated with a D-phenyl glycine derivative.

IPC 1-7 (main, further and additional classification)

C07D 499/18; C07D 501/12; C12P 35/04; C12P 37/04

IPC 8 full level (invention and additional information)

C07D 499/00 (2006.01); **C07D 499/18** (2006.01); **C07D 501/00** (2006.01); **C07D 501/12** (2006.01); **C12P 35/04** (2006.01); **C12P 37/04** (2006.01)

CPC (invention and additional information)

C12P 35/04 (2013.01); **C07D 499/00** (2013.01); **C07D 501/00** (2013.01); **C12P 37/04** (2013.01)

Citation (search report)

See references of WO 9915532A1

Designated contracting state (EPC)

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DOCDB simple family

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