

Title (en)

PROCESS FOR PRODUCING N-PROTECTED D-PROLINE DERIVATIVES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON N-GESCHÜTZTEN D-PROLINDERIVATEN

Title (fr)

PROCEDE DE PREPARATION DE DERIVES DE D-PROLINE PROTEGES EN N

Publication

EP 0896617 A1 19990217 (DE)

Application

EP 97914232 A 19970312

Priority

- CH 65696 A 19960313
- EP 9701262 W 19970312

Abstract (en)

[origin: WO9733987A1] The invention concerns microorganisms which can utilize an N-protected proline derivative of general formula (I) in the form of the racemate or one of its optically active isomers, R<1> meaning -(CH₂)₂-COOH or, optionally substituted in each case, C₁-C₄ alkoxy, aryl or aryloxy, and R<2> meaning hydrogen or hydroxy, as the only nitrogen, only carbon or only carbon and nitrogen source. These microorganisms can be used in a process for producing N-protected cyclic or aliphatic D-amino acid derivatives of general formulae (II) and (V), A together with -N- and -CH- and R<3>, R<4> and R<5> having the given meanings.

IPC 1-7

C12N 9/80

IPC 8 full level

C12N 1/20 (2006.01); **C12N 9/80** (2006.01); **C12P 13/00** (2006.01); **C12P 17/18** (2006.01); **C12P 41/00** (2006.01); **C12R 1/06** (2006.01);
C12R 1/07 (2006.01); **C12R 1/40** (2006.01)

CPC (source: EP KR US)

C12N 1/20 (2013.01 - KR); **C12N 9/80** (2013.01 - EP KR US); **C12P 13/04** (2013.01 - KR); **C12P 41/00** (2013.01 - KR);
C12P 41/007 (2013.01 - EP US)

Citation (search report)

See references of WO 9733987A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9733987 A1 19970918; AU 2155797 A 19971001; CA 2245543 A1 19970918; CN 1213400 A 19990407; CZ 281198 A3 19981216;
EP 0896617 A1 19990217; JP 2000506728 A 20000606; KR 19990087341 A 19991227; NO 984206 D0 19980911; NO 984206 L 19980911;
PL 328795 A1 19990215; SK 117198 A3 19990312; SK 282099 B6 20011106; US 2002037559 A1 20020328

DOCDB simple family (application)

EP 9701262 W 19970312; AU 2155797 A 19970312; CA 2245543 A 19970312; CN 97192958 A 19970312; CZ 281198 A 19970312;
EP 97914232 A 19970312; JP 53229097 A 19970312; KR 19980706750 A 19980827; NO 984206 A 19980911; PL 32879597 A 19970312;
SK 117198 A 19970312; US 12572398 A 19980825