

Title (en)

PROCESS FOR PREPARING OPTICALLY ACTIVE ALPHA-HYDROXY ACIDS AND DERIVATIVES THEREOF

Title (de)

VERFAHREN FÜR DIE HERSTELLUNG VON OPTISCH-AKTIVEN ALPHA-HYDROXY-SÄUREN UND DEREN DERIVATEN

Title (fr)

PROCEDE RELATIF A L'ELABORATION D'ACIDES ALPHA-HYDROXY OPTIQUEMENT ACTIFS, Y COMPRIS LEURS DERIVES

Publication

EP 1233939 A1 20020828 (EN)

Application

EP 99961901 A 19991202

Priority

US 9928440 W 19991202

Abstract (en)

[origin: WO0140153A1] The present invention provides a process for preparing optically active alpha -hydroxy acids and derivatives thereof by subjecting the alkylated 1,3-dioxolanones of formula (IV) wherein R1 and R2 are the same or different and are each independently H or C1-6 alkyl; R5 is H, C1-16 alkyl, or unsubstituted or substituted phenyl; and R6 is C1-8 alkyl, C2-7 alkenyl or unsubstituted or substituted benzyl, to either alcoholysis or hydrolysis, in which the alkylated 1,3-dioxolanones are obtained by using 10-camphorsulfonamide as a chiral auxiliary.

IPC 1-7

C07C 35/22; **C07C 35/24**; **C07C 43/30**; **C07C 43/32**; **C07C 45/00**; **C07C 59/01**; **C07C 59/11**; **C07C 69/66**; **C07C 69/76**; **C07C 303/40**; **C07C 309/65**; **C07C 311/10**; **C07D 307/94**

IPC 8 full level

C07D 317/72 (2006.01); **C07B 53/00** (2006.01); **C07C 51/00** (2006.01); **C07C 51/09** (2006.01); **C07C 59/105** (2006.01); **C07C 59/11** (2006.01); **C07C 67/00** (2006.01); **C07C 69/732** (2006.01); **C07C 303/40** (2006.01); **C07C 311/10** (2006.01); **C07C 311/25** (2006.01); **C07D 307/94** (2006.01)

CPC (source: EP)

C07C 51/09 (2013.01); **C07C 67/00** (2013.01); **C07C 303/40** (2013.01); **C07D 307/94** (2013.01); **C07B 2200/07** (2013.01)

C-Set (source: EP)

1. **C07C 51/09 + C07C 59/08**
2. **C07C 51/09 + C07C 59/105**
3. **C07C 51/09 + C07C 59/50**
4. **C07C 51/09 + C07C 59/42**
5. **C07C 67/00 + C07C 69/732**
6. **C07C 303/40 + C07C 311/10**

Designated contracting state (EPC)

AT BE CH CY DE DK ES FR GB IT LI

DOCDB simple family (publication)

WO 0140153 A1 20010607; AU 1838900 A 20010612; CA 2390815 A1 20010607; CN 1379748 A 20021113; EP 1233939 A1 20020828; EP 1233939 A4 20030709; JP 2003515576 A 20030507

DOCDB simple family (application)

US 9928440 W 19991202; AU 1838900 A 19991202; CA 2390815 A 19991202; CN 99817025 A 19991202; EP 99961901 A 19991202; JP 2001541844 A 19991202