

Title (en)

TITANIUM CATALYZED PREPARATION OF CARBAPENEM INTERMEDIATES

Title (de)

TITAN-KATALYSIERTE HERSTELLUNG VON CARBAPENEM-ZWISCHENPRODUKTEN

Title (fr)

PREPARATION DE PRODUITS INTERMEDIAIRES DES CARBAPENEMS CATALYSEE AU TITANE

Publication

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Application

EP 99916629 A 19990412

Priority

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- US 9907956 W 19990412
- US 8200398 P 19980416
- US 9142298 P 19980701

Abstract (en)

[origin: WO9952908A1] An efficient method for the synthesis of a compound of formula (2) is disclosed which comprises reacting a 4-acyl-2-azetidinone with a titanium, zirconium or hafnium enolate of a 1-hydroxy-2-butanone derivative.

IPC 1-7

C07D 477/14; **C07D 205/08**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XA] EP 0573667 A1 19931215 - NIPPON SODA CO [JP]
- [XA] EP 0330108 A1 19890830 - FUJISAWA PHARMACEUTICAL CO [JP]
- [XA] EP 0476649 A2 19920325 - HOECHST AG [DE]
- See references of WO 9952908A1

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WO 9952908 A1 19991021; AU 3490899 A 19991101; AU 745980 B2 20020411; CA 2328219 A1 19991021; EP 1071685 A1 20010131; EP 1071685 A4 20010718; JP 2002511470 A 20020416

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