

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**

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- US 9907956 W 19990412
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- 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.

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