

Title (en)

Penem compounds, processes for their preparation, their use in pharmaceutical compositions and azetidinones used in their preparation.

Title (de)

Penem Verbindungen, Verfahren zu ihrer Herstellung, ihre Verwendung als Arzneimittel, sowie die Azetidinone gebraucht für ihre Herstellung.

Title (fr)

Composés dérivés pénème, procédés pour leur préparation, leur utilisation dans les compositions pharmaceutiques et les azétidinones utilisées dans leur préparation.

Publication

EP 0000636 A1 19790207 (EN)

Application

EP 78300148 A 19780712

Priority

- GB 928078 A 19780308
- GB 2948777 A 19770713

Abstract (en)

Compounds of the formula <CHEM> (wherein R<1> represents an alkyl group containing from 1 to 8 carbon atoms, optionally substituted by a hydroxy, etherified hydroxy or acylated hydroxy group; R<2a> represents a hydrogen atom or a carboxyl esterifying group; n represents 0 or 1 and salts thereof and processes for their preparation. The compounds of formula (I) are useful as antibiotics or as intermediates for the preparation or purification of antibiotics. Intermediates of the formula <CHEM> wherein Z represents a halogen atom or a group (S)_nR₉ or -N R_xR_yR_z. A<(-)> are also described.

IPC 1-7

C07D 499/00; A61K 31/43; C07D 205/08; C07D 417/12

IPC 8 full level

A61K 31/41 (2006.01); **A61P 31/04** (2006.01); **C07D 205/08** (2006.01); **C07D 205/09** (2006.01); **C07D 499/897** (2006.01); **C07D 499/04** (2006.01); **C07D 499/06** (2006.01); **C07D 499/86** (2006.01); **C07D 499/87** (2006.01); **C07D 499/88** (2006.01); **C07F 9/568** (2006.01)

CPC (source: EP)

A61P 31/04 (2018.01); **C07D 205/08** (2013.01); **C07D 205/09** (2013.01); **C07D 499/88** (2013.01); **C07F 9/568** (2013.01)

Citation (search report)

- [A] DE 2655298 A1 19770623 - CIBA GEIGY AG
- [A] GB 1368074 A 19740925 - BEECHAM GROUP LTD
- [P] DE 2740527 A1 19780316 - GLAXO LAB LTD

Cited by

US4595539A; US4725678A; EP0010358A1; FR2405950A1; EP0002210A1; EP0297042A1; EP0003892A1; FR2393805A1; FR2449092A1; EP0013067A1; DE2950898A1; DE2950913A1; FR2476089A1; FR2453162A1; EP0076621A3; DE3006273A1; FR2449690A1; EP3763922A1; EP4379197A1

Designated contracting state (EPC)

BE CH DE FR GB NL SE

DOCDB simple family (publication)

EP 0000636 A1 19790207; AU 3796278 A 19800117; IT 1156863 B 19870204; IT 7850287 A0 19780713; JP S5439090 A 19790324

DOCDB simple family (application)

EP 78300148 A 19780712; AU 3796278 A 19780712; IT 5028778 A 19780713; JP 8499278 A 19780712