

Title (en)

STABILIZED CARBAPENEM ANTIBIOTIC COMPOSITIONS AND METHOD OF MAKING

Title (de)

STABILISIERTE ANTIBIOTISCHE CARBAPENEM-ZUSAMMENSETZUNGEN UND EINE METHODE ZU IHRER HERSTELLUNG

Title (fr)

COMPOSITIONS ANTIBIOTIQUES STABILISEES A BASE DE CARBAPENEM ET PROCEDE DE PRODUCTION

Publication

EP 0937079 A4 20010124 (EN)

Application

EP 97913772 A 19971024

Priority

- GB 9626211 A 19961218
- US 9719336 W 19971024
- US 2952096 P 19961028

Abstract (en)

[origin: WO9818800A1] A method is presented for stabilizing carbapenem antibiotics by carboxylating the pyrrolidinyl amino with a carbon dioxide source. The resulting compounds and pharmaceutical compositions thereof can be used in the treatment of infectious diseases, including those resulting from gram positive and negative, aerobic and anaerobic bacteria. The compounds have favorable pharmaceutical properties and stability against beta -lactamases, and a favorable duration of action.

IPC 1-7

C07D 487/04; A61K 31/395

IPC 8 full level

A61K 31/407 (2006.01); **A61K 31/454** (2006.01); **A61K 31/496** (2006.01); **A61P 31/04** (2006.01); **C07D 477/00** (2006.01); **C07D 477/02** (2006.01); **C07D 477/20** (2006.01)

CPC (source: EP)

A61P 31/04 (2017.12); **C07D 477/02** (2013.01); **C07D 477/20** (2013.01)

Citation (search report)

- [Y] EP 0289801 A1 19881109 - LEDERLE JAPAN LTD [JP]
- [YD] WO 9414811 A1 19940707 - CHONG KUN DANG CORP [KR], et al
- [Y] EP 0280771 A1 19880907 - FUJISAWA PHARMACEUTICAL CO [JP]
- [Y] WO 9315078 A1 19930805 - ZENECA LTD [GB], et al
- [E] WO 9745430 A1 19971204 - MERCK & CO INC [US], et al
- [YD] TAKEUCHI, Y. ET AL.: "Stability of 1-beta-Methylcarbapenem Antibiotic, Meropenem (SM-7338) in Aqueous Solution", CHEM.PHARM.BULL., vol. 43, no. 4, 1995, TOKYO, pages 689 - 692, XP000941598
- See references of WO 9818800A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9818800 A1 19980507; AU 5088198 A 19980522; AU 725298 B2 20001012; CA 2268820 A1 19980507; EP 0937079 A1 19990825; EP 0937079 A4 20010124; JP 2000508343 A 20000704

DOCDB simple family (application)

US 9719336 W 19971024; AU 5088198 A 19971024; CA 2268820 A 19971024; EP 97913772 A 19971024; JP 52063698 A 19971024