

Title (en)
CATIONIC, AMPHIPATHIC BETA-SHEET PEPTIDES AND USES THEREOF

Title (de)
KATIONISCHE AMPHIPATISCHE BETA-FALTBLATT PEPTIDE UND DEREN VERWENDUNGEN

Title (fr)
PEPTIDES CATIONIQUES PRESENTANT UNE STRUCTURE SECONDAIRE AMPHIPATIQUE DE FEUILLET BETA ET LEURS UTILISATIONS

Publication
EP 1257567 A2 20021120 (EN)

Application
EP 01912747 A 20010215

Priority

- US 0104822 W 20010215
- US 18249500 P 20000215

Abstract (en)
[origin: WO0160162A2] This invention relates to an antimicrobial compound which is (a) a peptide having a length of 8-50 amino acids, a net charge of at least four, a hydrophobic moment as a beta sheet which is at least 0.2 higher than its hydrophobic moment as an alpha helix, and having detectable membrane disrupting activity against at least one microbial pathogen, and substantially no membrane disrupting activity against mammalian cells, or (b) a peptoid, petidomimetic or nonpeptidic analogue of a peptide according to (a) above. And to antimicrobial use thereof.

IPC 1-7
C07K 7/08; **C07K 14/47**; **A61P 31/00**

IPC 8 full level
A61K 38/00 (2006.01); **A61P 15/00** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **C07K 7/08** (2006.01); **C07K 14/00** (2006.01); **C07K 14/47** (2006.01)

CPC (source: EP)
A61P 15/00 (2017.12); **A61P 31/00** (2017.12); **A61P 31/04** (2017.12); **C07K 7/08** (2013.01); **C07K 14/001** (2013.01); **C07K 14/4723** (2013.01); **A61K 38/00** (2013.01); **Y02A 50/30** (2017.12)

Citation (search report)
See references of WO 0160162A2

Citation (examination)
WO 9948912 A1 19990930 - KOREA ADVANCED INST SCI & TECH [KR], et al

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0160162 A2 20010823; **WO 0160162 A3 20020502**; **WO 0160162 A9 20030821**; AU 4149401 A 20010827; AU 783021 B2 20050915; CA 2399668 A1 20010823; EP 1257567 A2 20021120; JP 2003522775 A 20030729

DOCDB simple family (application)
US 0104822 W 20010215; AU 4149401 A 20010215; CA 2399668 A 20010215; EP 01912747 A 20010215; JP 2001559269 A 20010215