

Title (en)
PAREVINS AND TACHYTEGRINS

Title (de)
PAREVINE UND TACHYTEPRINE

Title (fr)
PAREVINES ET TACHYTEGRINES

Publication
EP 0836617 A4 20000628 (EN)

Application
EP 96923662 A 19960703

Priority
• US 9611323 W 19960703
• US 89895 P 19950706

Abstract (en)
[origin: WO9702287A1] Compounds based on the antimicrobial protegrins and tachyplesins are disclosed having a net positive charge of at least +1 at physiological pH, comprising from 15 % to 50 % basic amino acids, and having an amino acid sequence of the formula: A1-A2-A3-C4*-C5*-C6*-A7-C8-A9-A10-A11-A12-C13-A14-C15*-C16*-C17*-A18, within a size range of 11-24 amino acids when the above formula is extended at either the N- or C-terminus by additional, non-interfering, amino acids and wherein the N-terminus may be acylated and the C-terminus may be amidated or esterified and disulfide bridges may be present or absent in a -SH stabilized linear form. In one embodiment, C8 and C13 denote cysteine, homocysteine or penicillamine; C4*-C6* and C15*-C16* denote the preceding or any naturally-occurring amino acid save glutamic acid, aspartic acid and proline, except when either or both of C4* or C17* are optionally absent wherein only proline is excluded at C5* and C15*; A1-A3 and A18 may be present or absent and denote any naturally-occurring amino acid except glutamic acid, aspartic acid, proline and cysteine; A7 and A14 denote a hydrophobic or a small amino acid; A9-A12 must be capable of forming a beta -turn in the compound; and, at least one of A9-A12 must be a basic amino acid.

IPC 1-7
C07K 7/06; C07K 7/08; C07K 14/00; A61K 38/08; A61K 38/10; A61K 38/16; A01N 25/00; C12N 15/11

IPC 8 full level
C12N 15/09 (2006.01); **A01N 37/46** (2006.01); **A01N 63/00** (2006.01); **A61K 38/00** (2006.01); **A61L 12/14** (2006.01); **A61P 1/02** (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01); **C07K 7/08** (2006.01); **C07K 16/00** (2006.01); **C12N 1/20** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01)

CPC (source: EP)
A01N 37/46 (2013.01); **A61L 12/14** (2013.01); **A61P 1/02** (2017.12); **A61P 31/04** (2017.12); **A61P 31/12** (2017.12); **C07K 7/08** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
• [X] TAMAMURA, HIROKAZU ET AL.: "SYNTHESIS OF PROTEGRIN-RELATED PEPTIDES AND THEIR ANTIBACTERIAL AND ANTI-HUMAN IMMUNODEFICIENCY VIRUS ACTIVITY", CHEM PHARM BULL (1995) 43(5) 853-8, XP000892198
• See references of WO 9702287A1

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

DOCDB simple family (publication)
WO 9702287 A1 19970123; AU 6452996 A 19970205; AU 714294 B2 19991223; CA 2226121 A1 19970123; EP 0836617 A1 19980422; EP 0836617 A4 20000628; JP H11509842 A 19990831

DOCDB simple family (application)
US 9611323 W 19960703; AU 6452996 A 19960703; CA 2226121 A 19960703; EP 96923662 A 19960703; JP 50530797 A 19960703