

Title (en)  
PAREVINS AND TACHYTEGRINS

Title (de)  
PAREVINE UND TACHYTEPRINE

Title (fr)  
PAREVINES ET TACHYTEGRINES

Publication  
**EP 0836617 A1 19980422 (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)

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