

Title (en)  
NOVISPRINS: ANTIMICROBIAL PEPTIDES

Title (de)  
NOVISPIRINE: ANTIMIKROBIELLE PEPTIDE

Title (fr)  
NOVISPIRINES: PEPTIDES ANTIMICROBIENS

Publication  
**EP 1359930 A4 20040714 (EN)**

Application  
**EP 01946359 A 20010613**

Priority  
• US 0119094 W 20010613  
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• US 84000901 A 20010419

Abstract (en)  
[origin: WO0200839A2] Novisprin peptides are antimicrobial agents with potent activity against Gram-negative bacteria. The peptides are nonhemolytic, exhibit reduced <i>in vitro</i> cytotoxicity relative to other antimicrobial peptides, and were well-tolerated <i>in vivo</i> after intravenous injection. Novispirins also bind lipopolysaccharide (LPS), a property that may mitigate symptoms associated with Gram-negative bacterial infection. A pharmaceutical composition comprising novispirin as an active agent is administered to a patient suffering from or predisposed to a microbial infection, particularly Gram-negative bacterial infections.

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**C07K 7/08**; **C07K 14/47**; **A61K 38/10**

IPC 8 full level  
**A61K 9/12** (2006.01); **A61K 38/00** (2006.01); **A61K 45/00** (2006.01); **A61K 47/12** (2006.01); **A61P 31/04** (2006.01); **A61P 31/06** (2006.01); **A61P 31/08** (2006.01); **A61P 31/10** (2006.01); **A61P 33/02** (2006.01); **A61P 33/04** (2006.01); **A61P 33/06** (2006.01); **A61P 43/00** (2006.01); **C07K 7/08** (2006.01)

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Citation (search report)  
• [PX] WO 0112668 A1 20010222 - UNIV IOWA RES FOUND [US], et al  
• [A] TRAVIS ET AL: "BACTERICIDAL ACTIVITY OF MAMMALIAN CATHELICIDIN-DERIVED PEPTIDES", INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY. WASHINGTON, US, vol. 68, no. 5, May 2000 (2000-05-01), pages 2748 - 2755, XP002157165, ISSN: 0019-9567  
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TOSSI A.; TARANTINO C.; ROMEO D.: "DESIGN OF SYNTHETIC ANTIMICROBIAL PEPTIDES BASED ON SEQUENCE ANALOGY AND AMPHIPATHICITY", EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 250, no. 2, December 1997 (1997-12-01), BERLIN, DE, pages 549 - 558, XP000978718

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**WO 0200839 A2 20020103**; **WO 0200839 A3 20030828**; AU 6842101 A 20020108; BR 0112035 A 20060221; CA 2415236 A1 20020103; EP 1359930 A2 20031112; EP 1359930 A4 20040714; IL 153556 A0 20030706; JP 2004526663 A 20040902

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