

Title (en)

PEPTIDES FOR PREVENTING, DIAGNOSING AND TREATING ANIMAL AND/OR HUMAN LEPTOSPIROSIS

Title (de)

PEPTIDE ZUR VORBEUGUNG, DIAGNOSE UND BEHANDLUNG DER LEPTOSPIROSE IM MENSCHEN ODER IM TIER

Title (fr)

PEPTIDES POUR LA PREVENTION, LE DIAGNOSTIC ET LE TRAITEMENT DE LA LEPTOSPIROSE ANIMALE ET/OU HUMAINE

Publication

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Application

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Priority

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Abstract (en)

[origin: FR2846658A1] Compounds (I) that are the peptide of sequence (1), its homologs with at least 60% homology, or their salts, functional fragments, chemical analogs and chemical derivatives, are new. Compounds (I) that are the peptide of sequence (1), its homologs with at least 60% homology, and their salts, functional fragments, chemical analogs and chemical derivatives are new. Chemical analogs have one or more amino acids (aa) replaced by the D-enantiomer or a non-natural aa or one or more peptide bonds replaced by isosteres such as CH₂NH, CH₂S, CH₂CH₂, CH=CH, COCH₂, CH(OH)CH₂ or CH₂SO. Chemical derivatives are des-alpha amino peptides; N-alpha-acyl substituted by RCO; derivatives substituted at C-terminal carboxy by amino, OR, SR or NHR; derivatives containing a pharmacophore, and polymers of the peptides. R = 1-50C alkyl, alkenyl, alkynyl, aryl or cyclic group. Independent claims are also included for: (1) peptides (II) of more than 100 aa that contain (I); (2) antibody (Ab) that recognizes (I) or (II), and its fragments or derivatives; (3) nucleic acid (III) that encodes (I) and (II); (4) vector that contains (III); (5) recombinant cell containing (III) or the vector of (4); (6) transgenic non-human organism that contains (III) in its cells; and (7) kit for detecting pathogenic strains of Leptospira in a biological sample or water that contains (III), as a probe or primer pair. Lys-Ala-Lys-Pro-Val-Gln-Lys-Leu-(Asp)5-Gly-Asp-Asp-Thr-Tyr-Lys-Glu-Glu-Arg-His-Asn-Lys (1)

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C07K 14/20

IPC 8 full level

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