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(54) Title: USE OF A PEPTIDE AS A THERAPEUTIC AGENT

(57) Abstract: The present invention is directed to the use of the peptide compound Ile-Ala-Arg-Arg-His-Pro-Tyr-Phe-Leu-OH as a therapeutic agent for the prophylaxis and/or treatment of cancer, autoimmune diseases, fibrotic diseases, inflammatory diseases, neurodegenerative diseases, infectious diseases, lung diseases, heart and vascular diseases and metabolic diseases. Moreover the present invention relates to pharmaceutical compositions preferably in form of a lyophilisate or liquid buffer solution or artificial mother milk formulation or mother milk substitute containing the peptide Ile-Ala-Arg-Arg-His-Pro-Tyr-Phe-Leu-OH optionally together with at least one pharmaceutically acceptable carrier, cryoprotectant, lyoprotectant, excipient and/or diluent.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K38/09 A61P9/00 A61P31/00 A61P3/00 A61P37/00
A61P11/00 A61P25/28 A61P31/04 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, EMBASE, BIOSIS, PHARMAPROJECTS, CHEM ABS Data, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | MOGARD M H ET AL: "The amino acid sequence of kinetensin, a novel peptide isolated from pepsin-treated human plasma: Homology with human serum albumin, neurotensin and angiotensin" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 136, no. 3, 14 May 1986 (1986-05-14), pages 983-988, XP024773717 ISSN: 0006-291X [retrieved on 1986-05-14] *cf. abstract, table II on page 986, and last para. on page 987* | 1-12 |
| X | US 6 610 497 B1 (ACTON SUSAN L [US] ET AL) 26 August 2003 (2003-08-26) *cf. abstract, col. 76, lines 52-60* | 1-12 |

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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| Date of the actual completion of the international search | Date of mailing of the international search report |
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | US 6 391 343 B1 (YEN RICHARD C K [US]) 21 May 2002 (2002-05-21) *cf. col. 1, lines 20-34, col. 33, line 28* | 1-12 |
| X | ROBERT E. CARRAWAY ET AL.: "ISOLATION, STRUCTURES, AND BIOLOGIC ACTIVITY OF NEUROTENSIN-RELATED PEPTIDES GENERATED IN EXTRACTS OF AVIAN TISSUES" THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 262, no. 33, 1987, XP009114862 USA *cf. abstract and introductive part on the front page 15886, col. on the left side bridging with 1st para. on the right-handed col., 4th compound of table 1 on page 15888* | 1-12 |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2008/007716

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---|---|---|
| US 6610497 B1 | 26-08-2003 | US 6989363 B1 | 24-01-2006 |
| US 6391343 B1 | 21-05-2002 | NONE | |