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(54) Title: USE OF LEPTIN (22-56) AS A THERAPEUTIC AGENT

(57) Abstract: The present invention is directed to the use of the peptide compound Val-Pro-Ile-Gln-Lys-Val-Gln-Asp-Asp-Thr-Lys-Thr-Leu-Ile-Lys-Thr-Ile-Val-Thr-Arg-Ile-Asn-Asp-Ile-Ser-His-Thr-Gln-Ser-Val-Ser-Ser-Lys-Gln-Lys-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 Val-Pro-Ile-Gln-Lys-Val-Gln-Asp-Asp-Thr-Lys-Thr-Leu-Ile-Lys-Thr-Ile-Val-Thr-Arg-Ile-Asn-Asp-Ile-Ser-His-Thr-Gln-Ser-Val-Ser-Ser-Lys-Gln-Lys-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. A61K38/33 A61P37/00 A61P35/00 A61P31/00 A61P25/28
A61P11/00 A61P9/00 A61P3/00 A61P31/20

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, BIOSIS, EMBASE, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/018619 A (AMPROTEIN CORP [US]; HUI MIZHOU [US]) 15 February 2007 (2007-02-15) page 10, paragraph 3 - page 11, paragraph 2 claims 1-39	1,2,4-11
X	SAMSON W K ET AL: "A 35 AMINO ACID FRAGMENT OF LEPTIN INHIBITS FEEDING IN THE RAT" ENDOCRINOLOGY, BALTIMORE, MD, US, vol. 137, no. 11, 1 November 1996 (1996-11-01), pages 5182-5185, XP000867081 ISSN: 0013-7227 the whole document	1,2,4-11

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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8 document member of the same patent family

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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.
Y	LEE K ET AL: "GLUCOSE-RECEPTIVE NEURONES IN THE RAT VENTROMEDIAL HYPOTHALAMUS EXPRESS KATP CHANNELS COMPOSED OF KIR6.1 AND SUR1 SUBUNITS" JOURNAL OF PHYSIOLOGY, WILEY-BLACKWELL PUBLISHING LTD, GB, vol. 515, no. 2, 1 March 1999 (1999-03-01), pages 439-452, XP000929999 ISSN: 0022-3751 the whole document	1,2,4-11
Y	STAMATIADIS DIMITRIOS N ET AL: "Elevated leptin fragments in renal failure correlate with BMI and haematopoiesis and are normalized by haemodialysis." CLINICAL ENDOCRINOLOGY APR 2004, vol. 60, no. 4, April 2004 (2004-04), pages 434-441, XP002534959 ISSN: 0300-0664 the whole document	1,2,4-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

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WO 2007018619 A	15-02-2007	AU 2006279276 A1	15-02-2007
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