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(54) **Title:** USE OF PEPTIDE ASP-ARG-GLY-ASP-SER-OH AS A THERAPEUTIC AGENT

(57) **Abstract:** The present invention is directed to the use of the peptide compound Asp-Arg-Gly-Asp-Ser-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 Asp-Arg-Gly-Asp-Ser-OH optionally together with at least one pharmaceutically acceptable carrier, cryoprotectant, lyoprotectant, excipient and/or diluent.

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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K38/08 A61P35/00 A61P37/00 A61P31/00 A61P25/28
A61P3/00 A61P9/00 A61P11/00 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 A61P

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, BIOSIS, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KOMAZAWA HIROYUKI ET AL: "Synthetic Arg-Gly-Asp-Ser analogues of the cell recognition site of fibronectin that retain antimetastatic and anti-cell adhesive properties" BIOLOGICAL & PHARMACEUTICAL BULLETIN (OF JAPAN), PHARMACEUTICAL SOCIETY OF JAPAN, TOKYO, JP, vol. 16, no. 10, 1 January 1993 (1993-01-01), pages 997-1003, XP000864710 ISSN: 0918-6158 table 1 figure 1a page 1000, left-hand column, line 24 - line 27 ----- -/--	1,2,4-11

[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
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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	DATABASE WPI Week 199339 Thomson Scientific, London, GB; AN 1993-309192 XP002527521 & JP 05 222092 A (FUJI PHOTO FILM CO LTD) 31 August 1993 (1993-08-31) abstract	1,2,4-11
X	FUJII H ET AL: "ANTIMETASTATIC ACTVITIES OF SYNTHETIC ARG-GLY-ASP-SER (RGDS) AND ARG-LEU-ASP-SER (RLDS) PEPTIDE ANALOGUES AND THEIR INHIBITORY MECHANISMS" BIOLOGICAL & PHARMACEUTICAL BULLETIN (OF JAPAN), PHARMACEUTICAL SOCIETY OF JAPAN, TOKYO, JP, vol. 18, no. 12, 1 December 1995 (1995-12-01), pages 1681-1688, XP001108987 ISSN: 0918-6158 abstract figure 1 page 1688, left-hand column, line 21 - line 26	1,2,4-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 5222092 A	31-08-1993	JP 2918746 B2	12-07-1999