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(54) Title: AMELIORATION OF CELLULAR STRESS RESPONSE

(57) Abstract: The present invention is directed to compositions and methods useful for treating cancer and for amelioration of cellular stress response triggered by chemotherapy.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C07K14/705 A61K31/711 A61K39/395 G01N33/50 A61K38/00
A61K45/06 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 C07K 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, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 790 631 B1 (RAITANO ARTHUR B [US] ET AL) 14 September 2004 (2004-09-14) [0083]	1-55
Y	"AKT as a target for enhancing breast cancer chemotherapy and radiotherapy" EUROPEAN JOURNAL OF CANCER, PERGAMON PRESS, OXFORD, GB, vol. 38, 1 November 2002 (2002-11-01), page S159, XP004403977 ISSN: 0959-8049 the whole document ----- -/-	1-44, 48-55

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

☒ See patent family annex.

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- *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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International application No
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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	CHINNAIYAN ET AL: "Radiation and New Molecular Agents, Part II: Targeting HDAC, HSP90, IGF-1R, PI3K, and Ras" SEMINARS IN RADIATION ONCOLOGY, SAUNDERS, PHILADELPHIA, PA, US, vol. 16, no. 1, 1 January 2006 (2006-01-01), pages 59-64, XP005219363 ISSN: 1053-4296 page 62, right-hand column, paragraph 1 - page 63, left-hand column, paragraph 2 -----	1-55
Y	YOUNG D A ET AL: "mTOR - beyond transplantation" CURRENT OPINION IN PHARMACOLOGY, ELSEVIER SCIENCE PUBLISHERS, NL, vol. 5, no. 4, 1 August 2005 (2005-08-01), pages 418-423, XP004969010 ISSN: 1471-4892 the whole document -----	1-55
Y	RAMING K ET AL: "Identification of a novel G-protein coupled receptor expressed in distinct brain regions and a defined olfactory zone" RECEPTORS AND CHANNELS, HARWOOD ACADEMIC PUBLISHERS, CH, vol. 6, no. 2, 1 January 1998 (1998-01-01), pages 141-151, XP000925988 ISSN: 1060-6823 abstract page 142, left-hand column, paragraph 2 - page 144, left-hand column, paragraph 1 page 145, left-hand column, paragraph 1 - page 148, left-hand column, paragraph 2 -----	1-55
Y	XU L L ET AL: "PSGR, a novel prostate-specific gene with homology to a G protein-coupled receptor, is overexpressed in prostate cancer" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, USA, DE, vol. 60, no. 23, 1 December 2000 (2000-12-01), pages 6568-6572, XP002290228 cited in the application the whole document ----- -/--	1-55

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International application No
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Y	YUAN T T-T ET AL: "Cloning and genetic characterization of an evolutionarily conserved human olfactory receptor that is differentially expressed across species" GENE, ELSEVIER, AMSTERDAM, NL, vol. 278, no. 1-2, 31 October 2001 (2001-10-31), pages 41-51, XP004322240 ISSN: 0378-1119 cited in the application the whole document	1-55
Y	XIA C ET AL: "Identification of a prostate-specific G-protein coupled receptor in prostate cancer." ONCOGENE 13 SEP 2001, vol. 20, no. 41, 13 September 2001 (2001-09-13), pages 5903-5907, XP002499946 ISSN: 0950-9232 cited in the application the whole document	1-55
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P,Y	TANEL ET AL: "P38 and ERK mitogen-activated protein kinases mediate acrolein-induced apoptosis in Chinese hamster ovary cells" CELLULAR SIGNALLING, ELSEVIER SCIENCE LTD, GB, vol. 19, no. 5, 23 March 2007 (2007-03-23), pages 968-977, XP005934431 ISSN: 0898-6568 page 974, left-hand column, paragraph 2 - page 975, left-hand column, paragraph 1	1-55
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International application No

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T	FUHRMAN C B ET AL: "Radiosensitization of cervical cancer cells via double-strand DNA break repair inhibition" GYNECOLOGIC ONCOLOGY, ACADEMIC PRESS, LONDON, GB, vol. 110, no. 1, 1 July 2008 (2008-07-01), pages 93-98, XP022795065 ISSN: 0090-8258 [retrieved on 2008-06-25] the whole document -----	1-55

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
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