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(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US	60/701.600 (CON)
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US	60/701.768 (CON)
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12 July 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INHIBITION OF EXTRACELLULAR SIGNAL-REGULATED KINASE 1/2 AS A TREATMENT FOR CARDIAC HYPERTROPHY AND HEART FAILURE

(57) Abstract: The present invention provides for methods of treating and preventing cardiac hypertrophy and heart failure. The present invention provides the link between ERK1/2 and calcineurin and CamKII. The present invention further demonstrates that inhibitors of ERKl /2 inhibit cardiac hypertrophy and heart disease by inhibiting, in part, the fetal cardiac gene expression that occurs when Ca2+-dependent signalling occurs in the heart.

WO 2007/014033 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/028363

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K38/18 A61K45/06 A61K48/00 A61P9/04 C12Q1/00

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 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, EMBASE, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/025205 A (MEDIGENE AG [DE]; NAVE BARBARA [DE]; ROENICKE VOLKER [DE]; LECLAIR STE) 27 March 2003 (2003-03-27) page 12, lines 13-26; claims 3,4 page 4, line 33 - page 8, line 16 page 11, lines 1-33 page 22, lines 12-18; example 9	1,2, 9-13, 19-24, 26-30, 32-48, 51-63
X	US 6 201 165 B1 (GRANT STEPHEN R [US] ET AL) 13 March 2001 (2001-03-13) column 29, lines 48-53 column 30, lines 4-35 column 31, line 33 - column 32, line 5 column 13, lines 22-25	1-6, 10-16

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[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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"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
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
20 March 2007	28/03/2007

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	ESCOLAR BLASCO, P

INTERNATIONAL SEARCH REPORT

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.
P,X	SUCHAROV C C: "Gene expression and heart failure" EXPERT REVIEW OF CARDIOVASCULAR THERAPY 2005 UNITED KINGDOM, vol. 3, no. 6, 2005, pages 983-984, XP009080693 ISSN: 1477-9072 1744-8344 page 984, middle column, paragraph 2	2,13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2006/028363

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. [X] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Claims 1-44, 46-68: Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

2. [ ] Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. [ ] Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. [ ] As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. [ ] As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. [ ] As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. [ ] No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

[ ] The additional search fees were accompanied by the applicant's protest.

[ ] No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2006/028363

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