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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: USE OF CHK2 KINASE INHIBITORS FOR CANCER TREATMENT

(57) Abstract: Described herein are Chk2 -inhibitor compounds and derivatives thereof, and methods of treating or preventing
disease and disease symptoms using the compounds and compositions thereof.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K31/17 A61K31/175 A61K31/4184 A61P9/10 A61P3/10
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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, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KORYTNYK W ET AL: "Guanylhydrazones with potential antileukemic activity. 2. Synthesis and structure-activity relationships of analogs of 4,4'-diacetyl-N,N'-diphenylurea bis(guanylhydrazone)" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 21, no. 6, 1978, pages 507-513, XP002206328 ISSN: 0022-2623 abstract tables 1,2 ----- -/--	1-28, 30-32

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

☒ 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.

G document member of the same patent family

Date of the actual completion of the international search

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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	MIHICH E: "Combined effects of chemotherapy and immunity against leukemia L1210 in DBA-2 mice." CANCER RESEARCH APR 1969, vol. 29, no. 4, April 1969 (1969-04), pages 848-854, XP009080242 ISSN: 0008-5472 abstract -----	1-28, 30-32
X	US 3 560 566 A (MARXER ADRIAN) 2 February 1971 (1971-02-02) abstract column 2, lines 25-35 -----	1-28, 30-32
X	WO 03/006426 A (AXXIMA PHARMACEUTICALS AG [DE]; STEIN-GERLACH MATTHIAS [DE]; BEVEC DOR) 23 January 2003 (2003-01-23) abstract claims 9,10 -----	1-28, 30-32
A	US 2004/214857 A1 (AMERIKS MICHAEL K [US] ET AL) 28 October 2004 (2004-10-28) the whole document -----	1-32

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2006/029401

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. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-24 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
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:

see additional sheet

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.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-28, 30-32 (1-24 and 30-32 in part)

Methods as in claims 1-24 comprising administering Chk2 inhibitors of formula (I) or (II).
Compound claims 25-28.
Composition claims 20-32 in so far comprising compound of formula (I) or (II).

2. claims: 1-24 (in part)

Methods as in claims 1-24 comprising administering Chk2 inhibitor of formula (III).

3. claims: 1-24, 29-32 (claims 1-24 and 30-32 in part)

Methods as in claims 1-24 comprising administering Chk2 inhibitor of formula (IV).
Compound claim 29.
Composition claims 20-32 in so far comprising compound of formula (IV).

4. claims: 1-24 (in part)

Methods as in claims 1-24 comprising administering Chk2 inhibitor of formula (V).

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/029401

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