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(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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12 September 2008

(54) **Title:** ORGANIC COMPOUNDS

(57) **Abstract:** A method to predict which patients will respond to a IAP inhibiting compound comprising: a) administering an IAP inhibitor compound to a patient, and b) measuring TNF- α or IL-8 levels.



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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/022125

A. CLASSIFICATION OF SUBJECT MATTER

INV. G01N33/574 G01N33/68

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)

GOIN

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, WPI Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/097791 A (NOVARTIS AG [CH]; NOVARTIS PHARMA GMBH [AT]; PALERMO MARK 6 [US]; SHAR) 20 October 2005 (2005-10-20) example 1	8-16
Y	LIN LI ET AL: "A small molecule Smac mimic potentiates TRAIL- and TNFaIpha-mediated cell death" SCIENCE, WASHINGTON, DC, vol. 305, no. 5689, 3 September 2004 (2004-09-03), pages 1471-1474, XP002377313 ISSN: 0036-8075 the whole document	1-16

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

- "V" 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.
- "S1" document member of the same patent family

Date of the actual completion of the international search

19 June 2008

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/022125

C(Continuation). DOCUMENTS-CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>BOCKBRADER KATRINA M ET AL: "A SMALL MOLECULE SMAC-MIMIC COMPOUND INDUCES APOPTOSIS AND SENSITIZES TRAIL-AND ETOPOSIDE-INDUCED APOPTOSIS IN BREAST CANCER CELLS" ONCOGENE, BASINGSTOKE, HANTS, GB, vol. 24, no. 19, 1 January 2005 (2005-01-01), pages 7381-7388, XP009077461 ISSN: 0950-9232 the whole document</p>	1-16
X	<p>WO 2005/069888 A (UNIV MICHIGAN [US]; WANG SHAOMENG [US]; SUM HAIYING [US]; NI KOLOVSKA-C) 4 August 2005 (2005-08-04) the whole document</p>	1-16
Y	<p>FOTIN-MLECZEK MARIOLA ET AL: "Cationic cell-penetrating peptides interfere with TNF signalling by induction of TNF receptor internalization" JOURNAL OF CELL SCIENCE, vol. 118, no. 15, August 2005 (2005-08), pages 3339-3351, XP002484700 ISSN: 0021-9533 the whole document</p>	1-16
E	<p>WO 2008/016893 A (NOVARTIS AG [CH]; NOVARTIS PHARMA GMBH [AT]; CHAREST MARK G [US]; CHEN) 7 February 2008 (2008-02-07) the whole document</p>	8-16

INTERNATIONAL SEARCH REPORT

International application No.
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Box No. 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:
see FURTHER INFORMATION sheet PCT/ISA/210
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 No. 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 allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
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 and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.I .

Although claims 1-9 and 11-16 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.

Continuation of Box II.1

Claims Nos. : -

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2007/022125

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005097791 A	20-10-2005	AR 048927 A1	14-06-2006
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		EP 1715882 A2	02-11-2006
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WO 2008016893 .A	07-02-2008	NONE	