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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: INHIBITORS OF CYTOSOLIC PHOSPHOLIPASE A<sub>2</sub>

(57) Abstract: This invention provides chemical inhibitors of the activity of various phospholipase enzymes, particularly cytosolic phospholipase A<sub>2</sub> enzymes (cPLA<sub>2</sub>), more particularly including inhibitors of cytosolic phospholipase A<sub>2</sub> alpha enzymes (cPLA<sub>2</sub>α). In some embodiments, the inhibitors have the Formula I: wherein the constituent variables are as defined herein.



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**INTERNATIONAL SEARCH REPORT**

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. C07D209/14    A61K31/404    A61P11/00    A61P19/00    A61P25/00

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)  
 C07D    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, BEILSTEIN Data, CHEM ABS 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 03/048122 A2 (WYETH CORP [US]) 12 June 2003 (2003-06-12) page 1, lines 4-10 page 4, line 1 - page 7, line 4 claims 1-8,10-13,15-44	1-43
A	CLARK J D ET AL: "Potential therapeutic uses of phospholipase A2 inhibitors" EXPERT OPINION ON THERAPEUTIC PATENTS 2004 UNITED KINGDOM, vol. 14, no. 7, 2004, pages 937-950, XP002405708 ISSN: 1354-3776 page 944; compounds 43-44	1-43
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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	"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
"E" earlier document but published on or after the international filing date	"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
"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)	"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.
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  <b>6 November 2006</b>	Date of mailing of the international search report  <b>20/11/2006</b>
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Name and mailing address of the ISA/ 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	Authorized officer  <b>Marzi, Elena</b>
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## 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	DATABASE REGISTRY Chemical Abstract Service, Columbus, Ohio, US; RN 865200-20-0 13 October 2005 (2005-10-13), XP002405672 abstract	1-43

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2006/020847

## 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 28-42 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:

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/US2006/020847
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03048122	A2	12-06-2003	
		AU 2002351182 A1	17-06-2003
		BR 0214672 A	19-10-2004
		CA 2469138 A1	12-06-2003
		CN 1617855 A	18-05-2005
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