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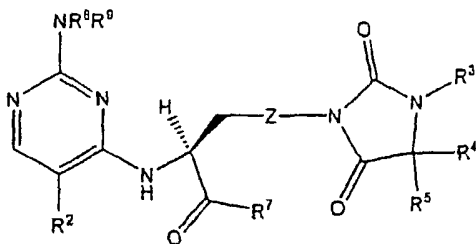
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ning of each regular issue of the PCT Gazette.

(54) Title: PYRIMIDINE HYDANTOIN ANALOGUES WHICH INHIBIT LEUKOCYTE ADHESION MEDIATED BY VLA-4



(I)

(57) Abstract: Disclosed are compounds of formula (I) which bind VLA-4 and/or LPAM-1. Certain of these compounds also inhibit leukocyte adhesion and, in particular, leukocyte adhesion mediated by VLA-4 and/or LPAM-1. Such compounds are useful in the treatment of inflammatory diseases in a mammalian patient, e.g., human, such as asthma, Alzheimer's disease, atherosclerosis, AIDS dementia, diabetes, inflammatory bowel disease, rheumatoid arthritis, tissue transplantation, tumor metastasis and myocardial ischemia. The compounds can also be administered for the treatment of inflammatory brain diseases such as multiple sclerosis.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D403/12 C07D405/14 C07D487/04 A61K31/506 A61P11/06 A61P19/02 A61P29/00		
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) IPC 7 C07D		
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, BEILSTEIN Data, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/43372 A1 (ELAN PHARMACEUTICALS, INC., USA; AMERICAN HOME PRODUCTS) 27 July 2000 (2000-07-27) table I	1-20
Y	WO 03/099809 A1 (ELAN PHARMACEUTICALS, INC., USA) 4 December 2003 (2003-12-04) claims; table I	1-20
Y	WO 99/10312 A (F. HOFFMANN-LA ROCHE AG) 4 March 1999 (1999-03-04) claims; examples 72-74,79-84	1-20
A	US 6 492 372 B1 (KONRADI ANDREI W ET AL) 10 December 2002 (2002-12-10) column 144, lines 48,49; claims 1,6	1-20
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<input checked="" type="checkbox"/>	Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/>
		Patent family members are listed in 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
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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		
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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 Schuemaker, A

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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.
A	WO 02/08203 A (ELAN PHARMACEUTICALS, INC; AMERICAN HOME PRODUCTS CORPORATION) 31 January 2002 (2002-01-31) claim 11; table I -----	1-20
P,A	WO 2005/000244 A2 (ELAN PHARMACEUTICALS, INC., USA) 6 January 2005 (2005-01-06) pages 245,582; table 3 -----	1-20
Y	WO 03/053926 A (AJINOMOTO KK 'JP!; OKUZUMI TATSUYA 'JP!; SAGI KAZUYUKI 'JP!; YOSHIMURA) 3 July 2003 (2003-07-03) page 65; compound 17 -----	1-20
P,Y	-& EP 1 454 898 A (AJINOMOTO KK 'JP!) 8 September 2004 (2004-09-08) page 36; claims 1,5,16-19; compound 17 -----	1-20

INTERNATIONAL SEARCH REPORT

International application No.
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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 19 and 20 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
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