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(54) Title: COMPOSITION FOR TREATING CANCER ADAPTED FOR INTRA-TUMORAL ADMINISTRATION AND USES THEREOF

(57) Abstract: The present invention is related to a composition adapted for intra-tumoral administration of a subject suffering from cancer, whereby administration of said composition to said subject induces IMC differentiation by neutralizing a factor implicated in a DC differentiation defect and use thereof.



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**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/IB2006/001418

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. A61K39/395 A61P35/00

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

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, PAJ, WPI Data, EMBASE, BIOSIS, 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.
Y	US 6 451 312 B1 (THORPE PHILIP E) 17 September 2002 (2002-09-17) *cf. abstract, col. 1, lines 23-31, col. 5, lines 12-31, col. 11, lines 18-31, claims 1/18*	1-9
Y	WO 03/045431 A (SCHERING CORPORATION) 5 June 2003 (2003-06-05) *cf. abstract, page 3, last para. bridging to page 4, line 31, page 11, 2nd and 3rd paras., claims 1,2 and 7*	1-9
Y	US 6 783 760 B1 (THORPE PHILIP E ET AL) 31 August 2004 (2004-08-31) *cf. abstract, col. 3, lines 30-53, col. 24, lines 38-49*	1-9
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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	*Z* 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  14 March 2007	Date of mailing of the international search report  04/04/2007
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Name and mailing address of the ISA/ European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Stoltner, Anton
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/IB2006/001418

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	US 6 887 468 B1 (THORPE PHILIP E ET AL) 3 May 2005 (2005-05-03) *cf. abstract, col. 1, lines 17-26, col. 2, lines 43-63, claims 1/2* -----	1-9
Y	US 6 406 693 B1 (THORPE PHILIP E ET AL) 18 June 2002 (2002-06-18) *cf. col. 2, line 63 extending to col. 3, line 6, col. 20, last para., claims 1/35* -----	1-9
Y	WO 2004/009131 A (AUCKLAND UNISERVICES LIMITED; KRISSENSSEN, GEOFFREY, WAYNE; SUN, XUEYIN) 29 January 2004 (2004-01-29) *cf. abstract, page 9, last para., claims 1/4* -----	1-9

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2006/001418

## 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:
  
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:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
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.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: -

Present claim 1 relates to compounds/products which have a given desired property or effect, namely the neutralization of a factor implicated in a dendritic cells defect to induce immature myeloid cell differentiation. However, the description does not provide support and disclosure in the sense of Article 84 and 83 EPC for any such compounds/products having the said property or effect and there is no common general knowledge of this kind available to the person skilled in the art. This non-compliance with the substantive provisions is to such an extent, that a meaningful search of the whole claimed subject-matter of these claims could not be carried out (Rule 45 EPC and Guidelines B-VIII, 3).

The search of claim 1 was consequently restricted to the specifically disclosed compounds having the desired property or effect, see the antibodies directed against IL-10.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2006/001418

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6451312	B1	17-09-2002	NONE
WO 03045431	A	05-06-2003	AU 2002359516 A1 10-06-2003 BR PI0214457 A 21-11-2006 CA 2468320 A1 05-06-2003 CN 1617742 A 18-05-2005 EP 1450858 A2 01-09-2004 JP 2006502080 T 19-01-2006 JP 2006131638 A 25-05-2006 MX PA04004998 A 08-04-2005
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US 6887468	B1	03-05-2005	NONE
US 6406693	B1	18-06-2002	US 2003082187 A1 01-05-2003
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