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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: INHIBITION OF TUMORIGENESIS BY INHIBITION OF A6B4 INTEGRIN

(57) Abstract: Inhibitors of a6b4 integrin that target beta 4 are used as therapeutic agents to inhibit tumorigensis in individuals, including humans, of tumors that express a6b4 integrin. The therapeutic agent may be an antibody or a small molecule, for example a laminin-5 analog, which binds to a6b4 integrin and inhibits its normal function. The therapeutic agent may also be a chemical species that interferes with the production of beta 4, including for example an antisense or RNAi species. The therapeutic agent is administered to the tissue or patient in a therapeutically effective amount. The therapeutic agent may be used as a single agent or in combination with other therapies, especially those directed toward suppressing the activity of RPTKs known to cooperate with a6b4, including but not limited to ErbB2, EGF-R, Met, and Ron.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB06/51199

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 39/395(2006.01) 31/70(2006.01);A01N 43/04(2006.01)

USPC: 424/130.1;514/44

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)

U.S. : 424/130.1; 514/44

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 practicable, search terms used)
MEDLINE, BIOSIS, EMBASE, CAPLUS, SCISEARCH, BIOTECHNO, DISSABS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0224993 A1 (LAND et al.) 04 December 2003 (04.12.2003), para.0023, 0050, 0262, 0282-0305, 0311-0340, claims 1-16, 24-40, 64-66.	1-4, 8-10, 12
X,P	WO2005/052122 (SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH) 09 June 2005 (09.06.2005), p. 1-12, claims 1-12	1-5, 8-9 and 11
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Y,P		10 and 12
X	DAJEE, M. et al. NF-kappaB blockade and oncogenic Ras trigger invasive human epidermal neoplasia. Nature. February 2003, Vol. 421, pages 639-643. page 640, right column and Fig. 4C and 4D.	1 and 3

☐ 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 application or patent 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
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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		

Date of the actual completion of the international search

10 October 2006 (10.10.2006)

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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:
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.: 6-7
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 all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any 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. |