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(54) Title: METHOD FOR IDENTIFYING AND USING A_{2B} ADENOSINE RECEPTOR ANTAGONISTS TO MEDIATE MAMMALIAN CELL PROLIFERATION

(57) Abstract: This invention concerns methods for identifying A_{2B} adenosine receptor agonists and antagonists as well as methods for using A_{2B} adenosine receptor antagonists to treat cell proliferation orders mediated by the A_{2B} adenosine receptor.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/04917

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/522 A61K45/00 G01N33/50 A61P27/02

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 A61K G01N

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)

MEDLINE, EPO-Internal, PAJ, WPI Data, BIOSIS, PASCAL, EMBASE, 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.
X	GRANT M B ET AL: "Adenosine receptor activation induces vascular endothelial growth factor in human retinal endothelial cells." CIRCULATION RESEARCH, (1999 OCT 15) 85 (8) 699-706, XP001038638 page 700, column 1, paragraph 3 -column 2, paragraph 1 ---	16
X	WO 99 42093 A (LINDEN JOEL M ;UNIV VIRGINIA (US)) 26 August 1999 (1999-08-26) page 5, line 26 -page 7, line 9; example 3 claim 9 --- -/--	1-3, 10-15

Further documents are listed in the continuation of box C.

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
- *E* earlier document but published on or after the international filing date
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- *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

- *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
- *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.
- * & * document member of the same patent family

Date of the actual completion of the international search

11 January 2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/04917

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 63938 A (HILL JEFFREY L ;NYCE JONATHAN W (US); EPIGENESIS PHARMACEUTICALS I) 16 December 1999 (1999-12-16) claims 1-44; example 29 ---	1-3,7, 10-15
X	WO 99 38532 A (LINK TECHNOLOGY INC ;NEELY CONSTANCE F (US)) 5 August 1999 (1999-08-05) page 10, line 7 - line 16 page 12, line 19 -page 13, line 18 ---	1-6,9, 11-15
X,P	WO 00 73307 A (KIM YONG CHUL ;LINDEN JOEL M (US); UNIV VIRGINIA (US); JOCOBSON KE) 7 December 2000 (2000-12-07) page 6, line 3-27 ---	1-6,9-15
X,P	WO 00 51621 A (NYCE JONATHAN W ;EPIGENESIS PHARMACEUTICALS INC (US)) 8 September 2000 (2000-09-08) examples 5,17 ---	1-5,7, 11-15
X,P	US 6 060 481 A (LINDEN JOEL M ET AL) 9 May 2000 (2000-05-09) column 7, line 47 -column 8, line 8 column 4, line 64 -column 5, line 21 -----	1-6,9-15

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 17-18

The subject-matter of claims 17-18 is directed to any agent identified by the method of claim 16. The wording of the said claims is so imprecise that a large number of possibly known compounds are embraced within the scope of said claims. Therefore, a meaningful search with respect to novelty and inventive step of the claimed matter is impossible.

The applicant's attention is drawn to the fact that claims, or parts of 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.

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

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