Title: KCNMA As Modifiers Of The p53 Pathway And Methods Of Use

Abstract: Human KCNMA genes are identified as modulators of the p53 pathway, and thus are therapeutic targets for disorders associated with defective p53 function. Methods for identifying modulators of p53, comprising screening for agents that modulate the activity of KCNMA are provided.
## INTERNATIONAL SEARCH REPORT

### A. CLASSIFICATION OF SUBJECT MATTER

| IPC(7) | A01N 61/00; C12Q 1/00, 1/68; G01N 1/00, 33/00, 33/53, 33/567, 33/574, 33/48; A61K 31/00, 31/07, 35/14, 38/00; A01N 43/04; C07h 1/00, 19/00, 5/04, 5/06, 21/00, 21/01; C07K 2/00, 1/00, 4/00, 5/00, 7/00, 14/00, 16/00, 17/00; C08B 37/00 |

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

- U.S.: Please See Continuation Sheet

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)

- Please See Continuation Sheet

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>CHIN et al. 4-Aminopyridine causes apoptosis and blocks an outward rectifier K+ channel in malignant astrocytoma cell lines. Journal of Neuroscience 1997, Vol 48, pages 122-127, see entire document.</td>
<td>1-6, 11, 16, 17, 19, 20, 21 and 22</td>
</tr>
</tbody>
</table>

* Further documents are listed in the continuation of Box C.  

**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

**R** document member of the same patent family

Date of the actual completion of the international search

27 September 2002 (27.09.2002)

Date of mailing of the international search report

30 DEC 2002

Name and mailing address of the ISA/US

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Form PCT/ISA/210 (second sheet) (July 1998)
Continuation of B. FIELDS SEARCHED Item 1:
514/1, 2, 42, 43, 44; 435/4, 6, 7.1, 7.2, 7.23, 325; 436/63, 64, 86, 174; 530/300, 350, 385, 386, 387.1; 536/1, 1.11, 18.7, 22.1, 23.1, 24.5

Continuation of B. FIELDS SEARCHED Item 3:
MEDLINE, AGRICOLA, DISSERTATION ABS. ONLINE, EMBASE, ELSEVIER BIOMED, PASCAL, JAPIO, SCISEARCH