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(54) Title: METHODS OF IDENTIFYING GABA_B RECEPTOR SUBTYPE-SPECIFIC AGONISTS

(57) Abstract: Methods for identifying substances that are agonists of GABA_B receptors that are heteromers of gb1a and gb2 subunits where the substances are not agonists of GABA_B receptors that are heteromers of gb1b and gb2 subunits or gb1c and gb2 subunits are provided. The substances are useful for the treatment of a variety of conditions, e.g., epilepsy and certain pain syndromes.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA 01/00909

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/566 G01N33/50 G01N33/94

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 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)

EPO-Internal, BIOSIS, MEDLINE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 00 14222 A (FRASER NEIL JAMES ;MARSHALL FIONA HAMILTON (GB); WISE ALAN (GB); G) 16 March 2000 (2000-03-16)</p> <p>page 2, line 34 -page 3, line 25 page 5, line 5 - line 31 page 9, last paragraph -page 10, paragraph 2 page 20, last paragraph -page 23, paragraph 1 page 26, last paragraph -page 27, last paragraph</p> <p align="center">--- -/--</p>	<p>1-6, 11-29, 33-51, 55-72</p>

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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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.
X	PFAFF T ET AL: "Alternative splicing generates a novel isoform of the rat metabotropic GABA(B)R1 receptor." THE EUROPEAN JOURNAL OF NEUROSCIENCE. FRANCE AUG 1999, vol. 11, no. 8, August 1999 (1999-08), pages 2874-2882, XP000884866 ISSN: 0953-816X abstract page 2880, right-hand column, last paragraph -page 2881, right-hand column, last paragraph ---	1-6, 11-29, 33-51, 55-72
X	MALITSCHKE B ET AL: "Developmental changes of agonist affinity at GABABR1 receptor variants in rat brain." MOLECULAR AND CELLULAR NEUROSCIENCES. UNITED STATES SEP 1998, vol. 12, no. 1-2, September 1998 (1998-09), pages 56-64, XP002213217 ISSN: 1044-7431 abstract page 59, left-hand column, last paragraph -page 60, left-hand column, last paragraph ---	27-29, 33-48
P,X	NG, GORDON ET AL: MOLECULAR PHARMACOLOGY, vol. 59, no. 1, January 2001 (2001-01), pages 144-152, XP002213218 cited in the application the whole document ---	1-72
P,X	BILLINTON ANDREW ET AL: "Advances in the molecular understanding of GABAB receptors." TRENDS IN NEUROSCIENCES, vol. 24, no. 5, May 2001 (2001-05), pages 277-282, XP004234402 ISSN: 0166-2236 abstract ---	1-6, 11-29, 33-51, 55-72
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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