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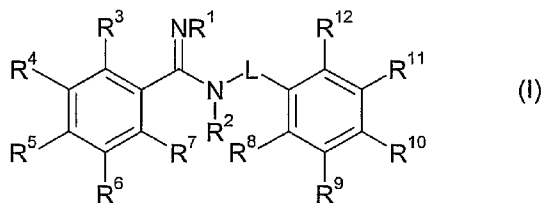
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(54) Title: AMIDINE DERIVATIVES FOR *IN VIVO* IMAGING



(57) Abstract: The invention relates to a compound of formula (I) having use for *in vivo* imaging of the NR2B subtype of the NMDA receptor.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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, CHEM ABS Data, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>TERENCE G. HAMILL, JOHN A. MCCAULEY, H. DONALD BURNS: "The synthesis of a benzamidine-containing NR2B-selective NMDA receptor ligand labelled with tritium or fluorine-18"</p> <p>JOURNAL OF LABELLED COMPOUNDS AND RADIOPHARMACEUTICALS, vol. 48, no. 1, 30 November 2004 (2004-11-30), pages 1-10, XP002453464</p> <p>cited in the application page 1, paragraph 1 page 2, paragraph 2 page 3, paragraph 2 page 8, paragraph 2 figure 2; compound 2C</p> <p style="text-align: center;">----- -/--</p>	1,3,6-11

Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2006/004423

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 00/67751 A (MERCK & CO INC [US]; CLAIBORNE CHRISTOPHER F [US]; LIVERTON NIGEL J [U] 16 November 2000 (2000-11-16) cited in the application page 1, line 5 - line 14 page 19 - page 32; compounds 15, 16, 20, 21, 23-28, 46-57, 59-61, 63, 79, 80</p>	
A	<p>CLAIBORNE, CHRISTOPHER F. ET AL: "Orally Efficacious NR2B-Selective NMDA Receptor Antagonists" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS , 13(4), 697-700 CODEN: BMCLE8; ISSN: 0960-894X, 2003, XP002453465 page 698, column 1, paragraph 1 table 1; compounds 13-18, 24-30 table 2; compounds 32-35 page 699, column 2, paragraph 2</p>	
A	<p>WO 01/30330 A (MERCK SHARP & DOHME [GB]; KULAGOWSKI JANUSZ JOZEF [GB]) 3 May 2001 (2001-05-03) cited in the application page 11, line 28 - line 34 page 16, line 16 - page 18, line 5</p>	
A	<p>WATERHOUSE R N: "Imaging the PCP site of the NMDA ion channel" NUCLEAR MEDICINE AND BIOLOGY, ELSEVIER, NY, US, vol. 30, no. 8, November 2003 (2003-11), pages 869-878, XP004482851 ISSN: 0969-8051 page 870, column 1</p>	
P, X	<p>ARSTAD ET AL: "Towards NR2B receptor selective imaging agents for PET-synthesis and evaluation of N-[¹¹C]-(2-methoxy)benzyl (E)-styrene-, 2-naphthyl- and 4-trifluoromethoxyphenylamidine" BIOORGANIC & MEDICINAL CHEMISTRY, ELSEVIER SCIENCE LTD, GB, vol. 14, no. 18, 15 September 2006 (2006-09-15), pages 6307-6313, XP005605292 ISSN: 0968-0896 page 6307, column 2, paragraph 2 figures scheme, 1 page 6308, column 2, paragraph 3 - page 6309, column 1, paragraph 1 page 6310, column 1, paragraph 2</p>	1,3,6-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/GB2006/004423

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