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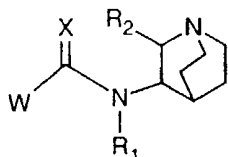
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(54) Title: QUINUCLIDINE-SUBSTITUTED HETEROARYL MOIETIES FOR TREATMENT OF DISEASE (NICOTINIC ACETYLCHOLINE RECEPTOR ANTAGONISTS)



(I)

(57) Abstract: The invention provides compounds of Formula (I). These compounds may be in the form of pharmaceutical salts or compositions, and racemic mixtures or pure enantiomers thereof. The compounds of Formula (I) are useful in pharmaceuticals in which $\alpha 7$ is known to be involved.

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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)

IPC 7 C07D

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, WPI Data, PAJ, 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.
E	WO 01 60821 A (ASTRAZENECA AB ;PHILLIPS EIFION (US); SCHMIESING RICHARD (US)) 23 August 2001 (2001-08-23) * overlap of chemical formula * the whole document ---	1-97
P,X	WO 01 36417 A (ASTRAZENECA AB ;MULLEN GEORGE (US); PHILLIPS EIFION (US); BALESTRA) 25 May 2001 (2001-05-25) * see claim 1, A = II, definition of R3 * the whole document --- -/--	1-97



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- * & * document member of the same patent family

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International Application No

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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	PATENT ABSTRACTS OF JAPAN vol. 017, no. 025 (C-1017), 18 January 1993 (1993-01-18) & JP 04 247081 A (TAKEDA CHEM IND LTD), 3 September 1992 (1992-09-03) * overlap of chemical formula * abstract	1-97
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X	EP 0 378 111 A (ZAMBON SPA) 18 July 1990 (1990-07-18) * see claim 1, R2 = D, overlap of chemical formula * the whole document	1-97
Y	EP 0 327 335 A (ROBINS CO INC A H) 9 August 1989 (1989-08-09) * see claim 1, definition of Ar * the whole document	1-97
Y	WO 98 54189 A (NIELSEN ELSEBET OESTERGAARD ;NEUROSEARCH AS (DK); OLSEN GUNNAR M () 3 December 1998 (1998-12-03) * see p.2, lines 17 - 33 * the whole document	1-97
Y	WO 97 30998 A (ASTRA AB ;MACOR JOHN (US); WU EDWIN (US)) 28 August 1997 (1997-08-28) * see claim 1, A = IV * the whole document	1-97
Y	HOLLADAY ET AL: "Neuronal Nicotinic Acetylcholine Receptros as Targets for Drug Discovery" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 40, no. 26, 19 December 1997 (1997-12-19), pages 4169-4194, XP002124847 ISSN: 0022-2623 * see P.4184, molecular modelling, compare p.4179, ex. 18 and p.4180, ex. 60, 61 * the whole document	1-97
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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