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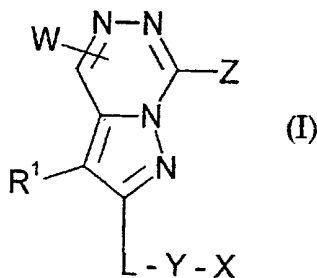
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(54) Title: PYRAZOLO[1,5-D][1,2,4]TRIAZINES FOR ENHANCING COGNITION



(57) Abstract: The present invention provides compounds of formula (I), or a salt thereof: wherein R¹ represents halogen; or C₁₋₆alkyl, C₃₋₇cycloalkyl, C₄₋₇cycloalkenyl, C₆₋₈bicycloalkyl, C₆₋₁₀aryl, C₃₋₇heterocycloalkyl, heteroaryl or di(C₁₋₆)alkylamino, any of which groups may be optionally substituted; L is O, S or NRⁿ where Rⁿ is H, C₁₋₆alkyl or C₃₋₆cycloalkyl; W is: C₁₋₆alkyl, C₂₋₆alkenyl or C₂₋₆alkynyl optionally substituted; X is NR⁴R⁵; or X is a 5-membered or a 6-membered heteroaromatic ring the 5- or 6-membered heteroaromatic ring being optionally fused to a benzene or pyridine ring and the heteroaromatic ring being optionally substituted; Y is optionally branched C₁₋₄alkylene optionally substituted by an oxo group or Y is a group (CH₂)_jO wherein the oxygen atom is nearest the group X and j is 2, 3 or 4; and Z represents a 5-membered or a 6-membered heteroaromatic ring any of which rings may be optionally substituted; pharmaceutical compositions containing them, their use in

methods of treatment, and the use of them for manufacturing treatments for enhancing cognition, particularly in Alzheimer's Disease, and corresponding methods of treatment; the compounds are ligands and inverse agonists for the GABA-A alpha 5 receptor subtype.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 00/04450

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D487/04 A61K31/53 //(C07D487/04,253:00,231:00)

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)

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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, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	WO 98 04559 A (GUIBLIN ALEXANDER RICHARD ;MERCK SHARP & DOHME (GB); MOORE KEVIN W) 5 February 1998 (1998-02-05) cited in the application the whole document ---	1-11
A	WO 99 36423 A (MERCK SHARP & DOHME ;MOORE KEVIN WILLIAM (GB); CARLING WILLIAM ROB) 22 July 1999 (1999-07-22) the whole document --- -/--	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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G document member of the same patent family

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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.
A	WO 99 06407 A (MERCK SHARP & DOHME ;MOORE KEVIN WILLIAM (GB); REEVE AUSTIN JOHN ()) 11 February 1999 (1999-02-11) abstract; claims ---	1-11
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