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(54) Title: DEVELOPMENT OF FLUOROGENIC SUBSTRATES FOR MONOAMINE OXIDASES (MAO-A AND MAO-B)

(57) Abstract: The present invention relates to compounds useful for detecting the activity of monoamine oxidases, compounds useful for competitively inhibiting monoamine oxidases, for determining inhibitors of monoamine oxidases and compounds useful for treating monoamine oxidase-related nervous system pathologies, as well as pharmaceutical compositions and methods of manufacture thereof.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/30276

A. CLASSIFICATION OF SUBJECT MATTER
IPC: A61K 31/436(2006.01),31/404(2006.01),31/352(2006.01);C07D 491/052(2006.01),405/04(2006.01),491/06(2006.01),311/16(2006.01),311/18(2006.01);C12Q 1/26(2006.01)

USPC: 514/288,414,457;549/288;546/62;548/430,463;435/25
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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 practicable, search terms used)
 CAS ONLINE-structure search and search terms- monoamine oxidase, fluorescence.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CAS ONLINE, Document No. 48:14743, Registry No.14415-44-2 (1954). See the structural formula and its use as a sedative and hypnotic in the Abstract	1-3, 28, 33 and 35
X	CAS ONLINE, Document No. 118:52524, Registry No. 14415-44-2 (1993). See the structural formula and its use in inhibiting retroviral reverse transcriptase in the Abstract.	1-3, 33 and 35
X	CAS ONLINE, Document No. 115:182261, Registry No. 136449-44-0 (1991). See structural formula.	4
X	CAS ONLINE, Document No. 69:93083 (1968). See the beginning of the Abstract.	30 and 110-112

Further documents are listed in the continuation of Box C. See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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