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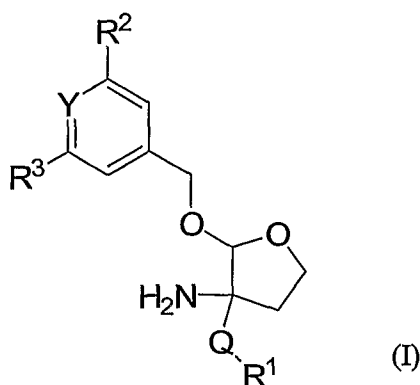
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CYCLIC KETAL BETA-SECRETASE INHIBITORS FOR THE TREATMENT OF ALZHEIMER'S DISEASE



(57) Abstract: The present invention is directed to cyclic ketal compounds of formula (I); which are inhibitors of the beta-secretase enzyme and that are useful in the treatment of diseases in which the beta-secretase enzyme is involved, such as Alzheimer's disease. The invention is also directed to pharmaceutical compositions comprising these compounds and the use of these compounds and compositions in the treatment of such diseases in which the beta-secretase enzyme is involved.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2006/29766

A. CLASSIFICATION OF SUBJECT MATTER

INT. CL. *C07D 307/22* (2006.01) *A61K 31/443* (2006.01)
A61K 31/341 (2006.01) *A61P 25/28* (2006.01)
 US. CL. *549/480*

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)

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)

Database: STN; File: Reg, CAPlus; Substructure based on formula (I). Database: Epoline, USPTO; Keyword: Beta-secretase, Alzheimer's; Applicant/Assignee search: Merck

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/0016595 A1 (DUCHARME et al.) 23 August 2001 Whole document	1-18
A	WO 2005/051914 A1 (MERCK & CO., INC.) 09 June 2005 Whole document	1-18
A	WO 2005/065195 A2 (MERCK & CO., INC.) 21 July 2005 Whole document	1-18



Further documents are listed in the continuation of Box C



See patent family annex

* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
6 June 2007

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2006/29766

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. These particulars are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member					
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		AU	56215/94	AU	61970/96	AU	69674/94		
		AU	72736/96	BG	100247	BG	100350		
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		CN	1125944	CN	1143365	CN	1295065		
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		HK	1027474	HR	940373	HU	74070		
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		END OF ANNEX							