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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

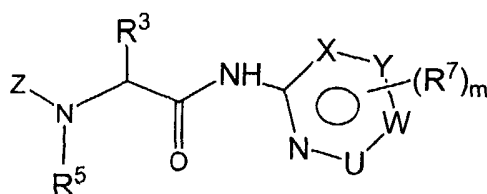
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: 6-MEMBERED HETEROARYL COMPOUNDS FOR THE TREATMENT OF NEURODEGENERATIVE DISORDERS



(I)

(57) Abstract: The present invention relates to compounds of the Formula wherein R¹, R^{1a}, R^{1b}, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹², X, Y, W, U, Z, m and n are as defined. Compounds of the Formula (I) have activity inhibiting production of Aβ-peptide. This invention also relates to pharmaceutical compositions and methods of treating diseases, for example, neurodegenerative diseases, e.g., Alzheimer's disease, in a mammal comprising compounds of the Formula (I).



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/24821

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : CO7D 417/00, 413/00, 417/04, 211/72, 215/10, 211/54, 211/44

US CL : 546/268.7, 269.1, 269.7, 270.1, 270.4, 293, 295, 292; 544/182, 198, 217, 218, 300, 301, 302, 303, 30

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)

U.S. : 546/268.7, 269.1, 269.7, 270.1, 270.4, 293, 295, 292; 544/182, 198, 217, 218, 300, 301, 302, 303, 30

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)

STN, Caplus Inhibition

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, Y	NAGGAR, A. M. The synthesis and biological activity of some new 4-(aminoacyl) aminopyridines and 2-(aminoacyl)aminopyrimidine derivatives Hcaplus 108:56587, 1985	1, 2, 17, 18, 19
X, Y	BADIE, M. F. Synthesis and biological activity of some new 2-(aminoacyl and dipeptidyl) amino-4,6-dichloro-and 5-bromopyrimidine derivatives, Hcaplus 117:112032, 1992	1, 2, 17, 18, 19
X, Y	El-NAGGAR, A. M. Synthesis and Biological Activity of Some New 2-(aminoacyl- and dipeptidyl)- aminopyrazine derivatives, Hcaplus 99:122898 1983	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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