

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 May 2008 (29.05.2008)

PCT

(10) International Publication Number
WO 2008/061795 A3

(51) International Patent Classification:

C07D 231/38 (2006.01) **A61K 31/444** (2006.01)
C07D 213/74 (2006.01) **A61K 31/427** (2006.01)
C07D 277/42 (2006.01) **A61P 25/28** (2006.01)
A61K 31/4155 (2006.01)

(74) Agent: **VOSSIUS & PARTNER**; Siebertstrasse 4, 81675 Munich (DE).

(21) International Application Number:

PCT/EP2007/010219

(22) International Filing Date:

23 November 2007 (23.11.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

06024427.4 24 November 2006 (24.11.2006) EP

(71) Applicant (for all designated States except US): **AC IMMUNE SA** [CH/CH]; PSE Building B - EPFL, CH-1015 Lausanne (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FROESTL, Wolfgang** [AT/CH]; Chemin du Bugnon 25, CH-1024 Ecublens (CH). **SREENIVASACHARY, Nampally** [IN/CH]; Route Neuve 87, CH-1024 Ecublens (CH). **LOHMANN, Sophie** [FR/CH]; Chemin de la Chiesaz 1CH-1024 Ecublens (CH). **LOPEZ DEBER, Maria Pilar** [ES/CH]; Chemin de la Chiesaz 1, CH-1024 Ecublens (CH). **MUHS, Andreas** [DE/CH]; Avenue des Cerisiers 39B, CH-1009 Pully (CH). **PIHLGREN BOSCH, Maria** [SE/CH]; Rue du Centre 42A, CH-1025 St. Sulpice (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

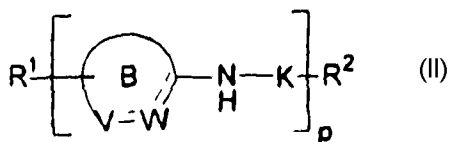
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

(88) Date of publication of the international search report:
10 July 2008

(54) Title: N- (METHYL) -1H- PYRAZOL- 3 -AMINE, N- (METHYL) -PYRIDIN-2-AMINE AND N- (METHYL) -THIAZOL-2-AMINE DERIVATIVES FOR THE TREATMENT OF DISEASES ASSOCIATED WITH AMYLOID OR AMYLOID-LIKE PROTEINS, LIKE E.G. ALZHEIMER'S



(57) Abstract: The present invention relates to novel compounds of formula (II) that can be employed in the treatment of a group of disorders and abnormalities associated with amyloid protein, such as Alzheimer's disease, and of diseases or conditions associated with amyloid- like proteins. The compounds of the present invention can also be used in the treatment of ocular diseases associated with pathological abnormalities/changes in the tissues of the visual

system. The present invention further relates to pharmaceutical compositions comprising these compounds and to the use of these compounds for the preparation of medicaments for treating, or preventing diseases or conditions associated with amyloid and/or amyloid- like proteins. A method of treating or preventing diseases or conditions associated with amyloid and/or amyloid- like proteins is also disclosed.

WO 2008/061795 A3