(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 June 2006 (29.06.2006)

PCT

(10) International Publication Number
WO 2006/068932 A3

(51) International Patent Classification:
C07D 498/18 (2006.01) *A61K 35/00* (2006.01)
A61K 31/436 (2006.01) *A61P 29/00* (2006.01)
A61P 25/16 (2006.01) *C07D 498/22* (2006.01)

(21) International Application Number:
PCT/US2005/045551

(22) International Filing Date:
15 December 2005 (15.12.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/637,666 20 December 2004 (20.12.2004) US

(71) Applicant *(for all designated States except US)*: **WYETH** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GRAZIANI, Edmund, Idris** [CA/US]; 15 Samuel Road, Chestnut Ridge, NY 10977 (US). **PONG, Kevin** [US/US]; 61 Eldridge Drive, Robbinsville, NJ 08691 (US). **SKOTNICKI, Jerauld** [US/US]; 148 Gallows Hill Road, Westfield, NJ 07090 (US).

(74) Agents: **KODROFF, Cathy, A.** et al.; Howson and Howson, Suite 200, 321 Norristown Road, Spring House Corporate Center, PO Box 457, Spring House, PA 19477 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: 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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

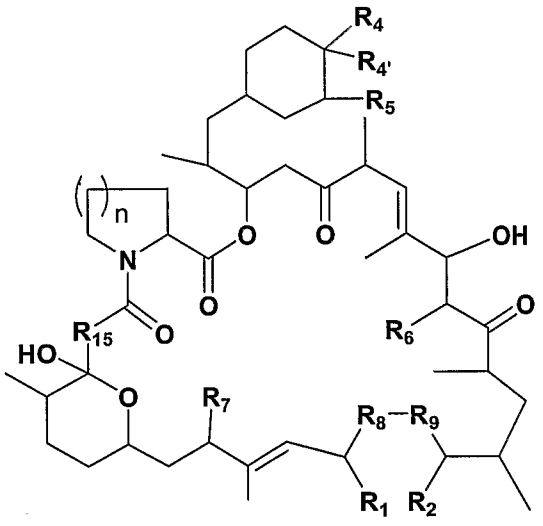
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, 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*

(88) Date of publication of the international search report:
19 October 2006

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: RAPAMYCIN ANALOGUES AND THE USES THEREOF IN THE TREATMENT OF NEUROLOGICAL, PROLIFERATIVE, AND INFLAMMATORY DISORDERS



(57) Abstract: The present invention provides compounds of the following structure, wherein R_1, R_2, R_4, $R_{4'}$, R_6, R_7, and R_{15} are defined above: These compounds are useful in treating neurological disorders or complications due to stroke or head injury; benign or malignant neoplastic disease, carcinomas and adenocarcinomas; proliferative disorders; and inflammatory disorders. The compounds are therefore useful as neuroprotective and neurogenerative, anti-proliferative, and anti-inflammatory agents.

WO 2006/068932 A3