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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 October 2006 (05.10.2006)

PCT

(10) International Publication Number
WO 2006/103559 A1

(51) International Patent Classification:
C07D 471/04 (2006.01) *A61K 31/551* (2006.01)
A61K 31/55 (2006.01)

(21) International Application Number:
PCT/IB2006/000900

(22) International Filing Date: 20 March 2006 (20.03.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/667,447 1 April 2005 (01.04.2005) US

(71) Applicant *(for all designated States except US)*: **WARNER-LAMBERT COMPANY LLC** [US/US]; 201 Tabor Road, Morris Plains, NJ 07950 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **FAVOR, David, Alan** [US/US]; Pfizer Global Research and Development, 2800 Plymouth Road, Ann Arbor, MI 484105 (US). **JOHNSON, Douglas, Scott** [US/US]; Pfizer Global Research and Development, 2800 Plymouth Road, Ann Arbor, MI 484105 (US). **REPINE, Joseph, Thomas** [US/US]; Pfizer Global Research and Development, 2800 Plymouth Road, Ann Arbor, MI 484105 (US). **WHITE, Andrew, David** [GB/US]; Pfizer Global Research and Development, 2800 Plymouth Road, Ann Arbor, MI 484105 (US).

(74) Agents: **FULLER, Grover, F., Jr.** et al.; c/o LAWRENCE, Jackie, Pfizer Inc. MS8260-1615, Eastern Point Road, Groton, CT 06340 (US).

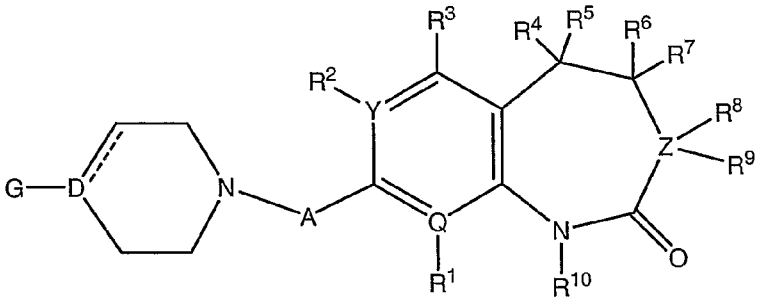
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, 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*

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: TETRAHYDRO-PYRIDOAZEPIN-8-ONES AND RELATED COMPOUNDS FOR THE TREATMENT OF SCHIZOPHRENIA



(I)

(57) Abstract: Compounds of formula 1 are disclosed, wherein G, D, A, Q, Y, Z, and R^1 through R^{10} are defined in the specification. Also provided are descriptions of processes for preparing compounds of formula 1, intermediates used in making the same, and pharmaceutical compositions containing such compounds and their use in the treatment of central nervous system disorders and other disorders.

WO 2006/103559 A1