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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051954 A2

(51) International Patent Classification[7]: C07D 487/04, 231/38

(21) International Application Number:
PCT/US2004/039046

(22) International Filing Date:
19 November 2004 (19.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/525,050 25 November 2003 (25.11.2003) US
10/985,236 10 November 2004 (10.11.2004) US

(71) Applicant *(for all designated States except US)*: **BRISTOL-MYERS SQUIBB PHARMA COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SHERBINE, James, P.** [US/US]; 7 Star Splinter Court, Voorhees, NJ 08043 (US). **PACK, Shawn, K.** [US/US]; 1212 Aspen Drive, Plainsboro, NJ 08536 (US). **PESTI, Jaan, A.** [US/US]; 1367 Brentwood Road, Yardley, PA 19067 (US). **YULE, Robert, E.** [US/US]; 2108 Kenton Lane, Green Oaks, IL 60048 (US). **McNULTY, Kenneth, C.** [US/US]; 1135 Talleyrand Road, West Chester, PA 19382 (US).

(74) Agents: **MILLER, Suzanne E.,** et al.; Woodcock Washburn LLP, One Liberty Place-46th Floor, Philadelphia, PA 19103 (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, 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, US, UZ, VC, VN, YU, ZA, ZM, ZW.

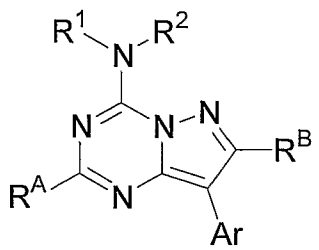
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, 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:
— *without international search report and to be republished upon receipt of that report*

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.

WO 2005/051954 A2

(54) Title: PROCESSES FOR THE PREPARATION OF PYRAZOLO[1,5-*a*]-1,3,5-TRIAZINES AND INTERMEDIATES THEREOF



(I)

(57) Abstract: The present invention provides novel processes and intermediates for preparing corticotropin releasing factor (CRF) receptor antagonists having the structure below which are useful in treating CRF-related disorders such as anxiety and depression.