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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 December 2002 (05.12.2002)

PCT

(10) International Publication Number
WO 02/096516 A1

(51) International Patent Classification[7]: A61N 5/10, A61K 31/00, 31/5415, 31/635, 31/42, 31/416, 31/341, 31/4418, 31/18, 31/501

(21) International Application Number: PCT/US02/17552

(22) International Filing Date: 29 May 2002 (29.05.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/294,077 29 May 2001 (29.05.2001) US

(71) Applicant *(for all designated States except US)*: **PHARMACIA CORPORATION** [US/US]; Corporate Patent Department, 800 N. Lindbergh Blvd., Mail Zone O4E, St. Louis, MO 63167 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **KELLER, Patricia, G.** [US/US]; 1780 Canyon View Court, Chesterfield, MO 63017 (US).

(74) Agents: **WARNER, James, M.** et al.; Pharmacia Corporation, Corporate Patent Department, 800 North Lindbergh Blvd., Mail Zone O4E, St. Louis, MO 63167 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (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.

WO 02/096516 A1

(54) Title: COMPOSITIONS OF CYCLOOXYGENASE-2 SELECTIVE INHIBITORS AND RADIATION FOR INHIBITION OR PREVENTION OF CARDIOVASCULAR DISEAS

(57) Abstract: A method is provided for the prevention or inhibition of cardiovascular disease comprising the adminiministration of a cyclooxygenase-2 selective inhibitor with a dose of radiation.