

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 March 2002 (21.03.2002)

PCT

(10) International Publication Number
WO 02/022559 A3

(51) International Patent Classification⁷: **C07C 251/08**,
229/30, 271/22, 255/30, A61K 31/201, A61P 19/02, C07D
209/48

60076 (US). **MOORMAN, Alan, E.** [US/US]; 5578
Hennsley Circle, Weldon Springs, MO 63304 (US).

(21) International Application Number: PCT/US01/28733

(74) Agents: **POLSTER, Philip, B., II** et al.; Pharmacia Cor-
poration, Corporate Patent Department, 800 North Lind-
bergh Blvd., Mail Zone 04E, St. Louis, MO 63167 (US).

(22) International Filing Date:
15 September 2001 (15.09.2001)

(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, PH, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/232,680 15 September 2000 (15.09.2000) US

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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)

(71) Applicant (*for all designated States except US*): **PHAR-
MACIA CORPORATION** [US/US]; Corporate Patent
Department, 800 North Lindbergh Blvd., Mail Zone 04E,
St. Louis, MO 63167 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **DURLEY, Richard**,
C. [US/US]; 509 Princeton Gate Court, Chesterfield, MO
63017 (US). **SIKORSKI, James** [US/US]; 1400 West
Adams Avenue, Kirkwood, MO 63122 (US). **HANSEN**,
Donald, Jr. [US/US]; 5250 West Brown Street, Skokie, IL
60077 (US). **PROMO, Michelle, A.** [US/US]; 1366 West-
made Drive, Chesterfield, MO 63017 (US). **WEBBER**,
Ronald, Keith [US/US]; 5379 Wolfrum Way, St. Charles,
MO 63304 (US). **PITZELE, Barnett, S.** [US/US]; 7924
North Tripp Avenue, Skokie, IL 60076 (US). **AWASTHI**,
Alok, K. [US/US]; 9438 Keystone Avenue, Skokie, IL

Published:
— with international search report

(88) Date of publication of the international search report:
23 January 2003

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette*

(54) Title: 2-AMINO-2-ALKYL-4 HEXENOIC AND HEXENOIC ACID DERIVATIVES USEFUL AS NITRIC OXIDE SYN-
THASE INHIBITORS

(57) Abstract: The present invention relates to 2-amino-2-alkyl-4 hexenoic and hexenoic acid derivatives and their use in therapy,
in particular their use as nitric oxide synthase inhibitors.

WO 02/022559 A3

DCS
COPY