PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification [7]: C07D 209/08, 209/30, 209/40, A61K 31/404, A61P 5/36 — A1

(11) International Publication Number: **WO 00/66555**

(43) International Publication Date: 9 November 2000 (09.11.00)

(21) International Application Number: PCT/US00/11630

(22) International Filing Date: 1 May 2000 (01.05.00)

(30) Priority Data:

60/172,259	4 May 1999 (04.05.99)	US
09/552,033	19 April 2000 (19.04.00)	US

(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application

US 09/552,033 (CON)
Filed on 19 April 2000 (19.04.00)

(71) Applicants *(for all designated States except US)*: AMERICAN HOME PRODUCTS CORPORATION [US/US]; Five Giralda Farms, Madison, NJ 07840 (US). LIGAND PHARMACEUTICALS, INC. [US/US]; 10275 Science Center Drive, San Diego, CA 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: FENSOME, Andrew [GB/US]; 779 Trephanny Lane, Wayne, PA 19087 (US). ZHANG, Puwen [CN/US]; 7004 Oriole Court, Audubon, PA 19403 (US). KOKO, Marci, C. [US/US]; 220 West Langhorne Avenue, Bethlehem, PA 19087 (US). ZHI, Lin [CN/US]; 7794 Roan Road, San Diego, CA 92129 (US). JONES, Todd, K. [US/US]; 546 Marview Drive, Solana Beach, CA 92075 (US). MARSCHKE, Keith, B. [US/US]; 12565 Escala Drive, San Diego, CA 92128 (US). TEGLEY, Christopher, M. [US/US]; 478 Thunderhead Street, Thousand Oaks, CA 91360 (US).

(74) Agents: KODROFF, Cathy, A. et al.; Howson and Howson, Spring House Corporate Center, P.O. Box 457, Spring House, PA 19477 (US).

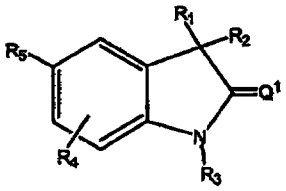
(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

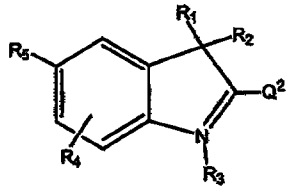
With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: THIO–OXINDOLE DERIVATIVES



(1)



(2)

(57) Abstract

This invention relates to compounds which are agonists of the progesterone receptor which have general structures (1) or (2) wherein the substituents are as defined; or a pharmaceutically acceptable salt thereof, as well as methods of using these compounds to induce contraception or treat progesterone–related carcinomas and adenocarcinomas.