9904705-2
Ipos

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07J 31/00, A61K 31/57 — A1

(11) International Publication Number: **WO 98/50410**

(43) International Publication Date: 12 November 1998 (12.11.98)

(21) International Application Number: PCT/US98/08453

(22) International Filing Date: 28 April 1998 (28.04.98)

(30) Priority Data:
08/850,569 2 May 1997 (02.05.97) US

(71) Applicant: AMERICAN HOME PRODUCTS CORPORATION [US/US]; Five Giralda Farms, Madison, NJ 07940-0874 (US).

(72) Inventors: BENDER, Reinhold, Hans, Wilhelm; 101 Oakwood Lane, Valley Forge, PA 19481 (US). FAWZI, Mahdi, Bakir; 1 Dukes Court, Morristown, NJ 07960 (US). FLETCHER, Horace, III; 2382 Schaffer Road, Pottstown, PA 19464 (US). MORTON, George, Oscar; 36 Kinderkamack Road, Hillsdale, NJ 07642 (US). SHAH, Syed, Muzafar; 13 Yvette Drive, East Hanover, NJ 07936 (US). TANG, Xuejun; 69 Laurel Road, New City, NY 10956 (US).

(74) Agents: ALICE, Ronald, W.; American Home Products Corporation, Patent Law Dept. – 2B, One Campus Drive, Parsippany, NJ 07054 (US) et al.

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: SALTS OF 5.ALPHA.-PREGN-16-EN-3.BETA.-OL-20-ONE 3-SULPHATE ESTER WITH PROGESTIN ACTIVITY

(57) Abstract

This invention provides a pharmaceutically acceptable salt of 5α-pregn-16-en-3β-ol-20-one 3-sulfate ester, which is useful as a progestational agent.