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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
C07J 7/00, A61K 31/57, C07J 51/00

A1

(11) International Publication Number: **WO 98/55498**

(43) International Publication Date: 10 December 1998 (10.12.98)

(21) International Application Number: PCT/EP98/03191

(22) International Filing Date: 28 May 1998 (28.05.98)

(30) Priority Data:
97201691.9 4 June 1997 (04.06.97) EP
(34) Countries for which the regional or international application was filed: NL et al.

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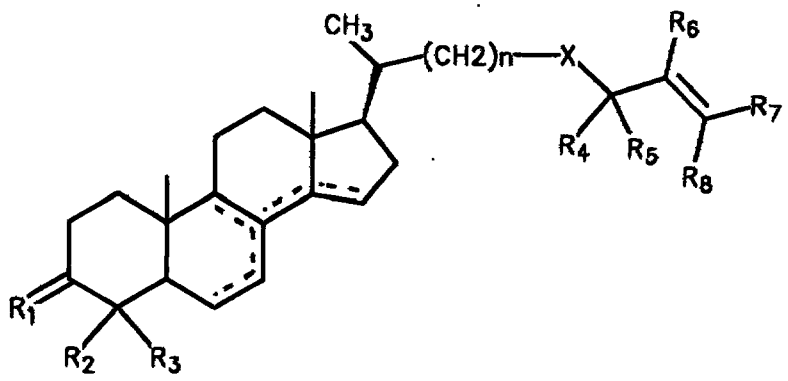
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(81) Designated States: AM, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, ID, IL, IS, JP, KG, KP, KR, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, TT, UA, US, UZ, VN, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (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.
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: 17β–ALLYLOXY(THIO)ALKYL–ANDROSTANE DERIVATIVES FOR THE MODULATION OF MEIOSIS



(I)

(57) Abstract

The invention relates to 17β–allyloxy(thio)alkyl–androstane derivatives having general formula (I) wherein R_1 is (H, OR), (H, OSO_3H) or NOR; with R being H, (C_{1-6})alkyl or (C_{1-6})acyl; each of R_2 and R_3 is indepententy hydrogen or (C_{1-6})alkyl; n is 0, 1 or 2; X is O, S, S(O) or $S(O)_2$; each of R_4 and R_5 is independently hydrogen or (C_{1-4})alkyl; each of R_6, R_7 and R_8 is independently hydrogen, phenyl, halogen or (C_{1-4})alkyl, optionally substituted by hydroxy, (C^{1-4})alkoxy or halogen; or R_7 and R_8 together with the carbon atom to which they are bound form a (C_{3-6})cycloalkane ring; or R_6 and R_7 together with the carbon atoms to which they are bound form a (C_{5-6})cycloalkene ring; and wherein the dotted lines indicate a Δ^7 or a Δ^8 double bond, or a pair of conjugated double bonds selected from $\Delta^{7,14}$, $\Delta^{8,14}$ and $\Delta^{6,8(14)}$; or a pharmaceutically acceptable salt thereof. The compounds of the invention have meiosis activating activity and can be used for the control of fertility.