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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :
C07D 495/04, A61K 31/505, 31/44 // (C07D 495/04, 333:00, 221:00) (C07D 495/04, 333:00, 239:00)

A1

(11) International Publication Number: **WO 95/28405**

(43) International Publication Date: 26 October 1995 (26.10.95)

(21) International Application Number: PCT/JP95/00728

(22) International Filing Date: 14 April 1995 (14.04.95)

(30) Priority Data:

6/80732	19 April 1994 (19.04.94)	JP
6/195541	19 August 1994 (19.08.94)	JP
6/271010	4 November 1994 (04.11.94)	JP
7/20717	8 February 1995 (08.02.95)	JP
7/40151	28 February 1995 (28.02.95)	JP

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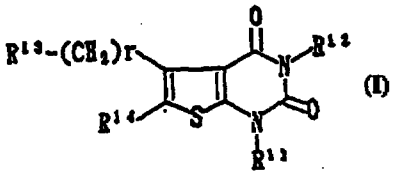
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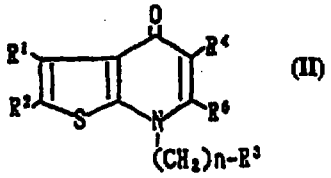
(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).

Published
With international search report.

(54) Title: BICYCLIC THIOPHENE DERIVATIVES AND USE AS GONADOTROPIN RELEASING HORMONE ANTAGONISTS



(I)



(II)

(57) Abstract

A gonadotropin-releasing hormone antagonistic composition, which comprises an optionally substituted condensed-bicyclic compound consisting of a homo or hetero 5 to 7 membered ring and a homo or hetero 5 to 7 membered ring such as compounds of formulae (I) or (II) is effective as a propylactic or therapeutic agent for the prevention or treatment of several hormone dependent diseases, for example, a sex hormone dependent cancer (e.g. prostatic cancer, cancer of the uterine cervix, breast cancer, pituitary adenoma), benign prostatic hypertrophy, myoma of the uterus, endometriosis, precocious puberty, amenorrhea, premenstrual syndrome, polycystic ovary syndrome and acne vulgaris; is effective as a fertility controlling agent in both sexes (e.g. a pregnancy controlling agent and a menstrual cycle controlling agent); can be used as a contraceptive of male or female, as an ovulation-inducing agent of female; can be used as an infertility treating agent by using a rebound effect owing to a stoppage of administration thereof; is useful as modulating estrous cycles in animals in the field of animal husbandry, as an agent for improving the quality of edible meat or promoting the growth of animals; is useful as an agent of spawning promotion in fish.

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