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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61K 31/00 — A2

(11) International Publication Number: **WO 00/67735**

(43) International Publication Date: 16 November 2000 (16.11.00)

(21) International Application Number: PCT/EP00/04308

(22) International Filing Date: 8 May 2000 (08.05.00)

(30) Priority Data:
MI99A000995 7 May 1999 (07.05.99) IT

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(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, 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).

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*Without international search report and to be republished upon receipt of that report.*

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(54) Title: USE OF SELECTIVE ANTAGONISTS OF THE $\alpha_{1b}$-ADRENERGIC RECEPTOR FOR IMPROVEMENT OF SEXUAL DYSFUNCTION

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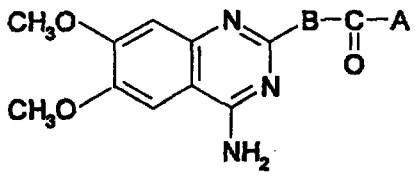

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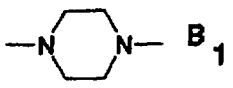

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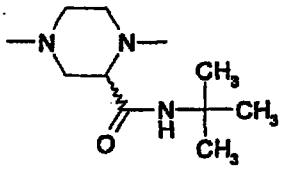

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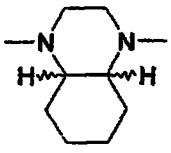

$B_3$

(57) Abstract

Compounds (I) (A=2-furyl, substituted 2-furyl, 2-tetrahydrofuryl, substituted alkoxy or substituted phenoxyalkyl; B=$B_1$, $B_2$ or $B_3$, but if B=$B_1$ then A=substituted phenoxyalkyl) and their enantiomers, diastereoisomers and pharmaceutically acceptable salts are useful for the preparation of a medicament for the treatment of sexual dysfunction in males and females. Compounds II (I:B=$B_3$, A ≠ 2-furyl) are novel and are claimed per se. Pharmaceutical compositions containing compounds II are also claimed, as are pharmaceutical compositions containing compounds I and one or more of a prostaglandin, a direct vasodilator and a 5 cGMP phosphodiesterase inhibitor (e.g. sildenafil). Compounds which bind to mammalian $\alpha_{1b}$ adrenergic receptors with an affinity of at least about $10^{-8}$ M and which bind to mammalian $\alpha_{1b}$ adrenergic receptors with an affinity at least 10-fold higher than the affinity with which the compound binds to mammalian $\alpha_{1a}$ or $\alpha_{1d}$ $\alpha_{1L}$ adrenergic receptors are also useful for the preparation of a medicament for the treatment of sexual dysfunction in males and females. A method of identifying such compounds is also disclosed and claimed.