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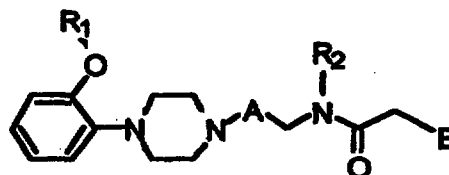
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(21) International Application Number: PCT/US98/09023 (22) International Filing Date: 8 May 1998 (08.05.98) (30) Priority Data: 60/046,236 12 May 1997 (12.05.97) US (71) Applicant: ORTHO-McNEIL PHARMACEUTICAL INC. [US/US]; U.S. Route 202, Raritan, NJ 08869-0602 (US). (72) Inventors: ① JOLLIFFE, Linda; 16 Davenport Way, Belle Mead, NJ 08502 (US); ② MURRAY, William; 447 Township Line Road, Belle Mead, NJ 08502 (US); ③ PULITO, Virginia; 37 Winding Way, Flemington, NJ 08822 (US); ④ REITZ, Alan; 109 Greenbrian Road, Landsale, PA 19446 (US). ⑤ LI, Xiaobing; 20 August Drive, Annadale, NJ 08801 (US). ⑥ MULCAHY, Linda; 7 Jenny Jump Court, Flemington, NJ 08822 (US); ⑦ MARYANOFF, Cynthia; 4029 Devonshire Drive, Forest Grove, PA 18922 (US); ⑧ VILLANI, Frank; 2 Pinewood Lane, Perkasi, PA 18944 (US). (74) Agents: CIAMPORCERO, Audley, A., Jr. et al.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).		(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, HU, 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: ARYLSUBSTITUTED PIPERAZINES USEFUL IN THE TREATMENT OF BENIGN PROSTATIC HYPERPLASIA

(57) Abstract

This invention relates to a series of arylsubstituted piperazines, of Formula (I), pharmaceutical compositions containing them and intermediates used in their manufacture. The compounds of the invention selectively inhibit binding to the α -1a adrenergic receptor, a receptor which has been implicated in benign prostatic hyperplasia. As such the compounds are potentially useful in the treatment of this and other disease.



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