9900455-8
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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A01N 43/653, C07D 248/12

A1

(11) International Publication Number: WO 98/04135

(43) International Publication Date: 5 February 1998 (05.02.98)

(21) International Application Number: PCT/US97/14352

(22) International Filing Date: 30 July 1997 (30.07.97)

(30) Priority Data:
60/022,983 31 July 1996 (31.07.96) US

(71) Applicant: BRISTOL-MYERS SQUIBB COMPANY [US/US]; 5 Research Parkway, Wallingford, CT 06492-7660 (US).

(72) Inventors: ROMINE, Jeffrey, L.; 187 Royal Oak Circle, Meriden, CT 06450 (US). MARTIN, Scott, W.; 121 Hickory Circle, Middletown, CT 06457 (US). HEWAWASAM, Piyasena; 31 Brookview Lane, Middletown, CT 06457 (US). MEANWELL, Nicholas, A.; 2 Spice Hill Drive, East Hampton, CT 06424 (US). GRIPKOFF, Valentin, K.; 142 Williams Road, Wallingford, CT 06492 (US). STARRETT, John, E., Jr.; 23 Hawks Nest Circle, Middletown, CT 06457 (US).

(74) Agent: ALGIERI, Aldo, A.; Bristol-Myers Squibb Company, 5 Research Parkway, Wallingford, CT 06492-7660 (US).

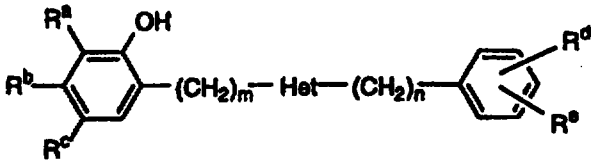
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, 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: DIPHENYL HETEROCYCLES AS POTASSIUM CHANNEL MODULATORS

(57) Abstract

Novel compounds of formula (1) are useful to treat disorders responsive to openers of the large conductance calcium-activated potassium channels, wherein "Het" is one of a select group of heterocyclic moieties; Z is independently for each occurrence selected from O or S; R^a, R^b and R^c each are independently selected from hydrogen, halogen, OH, CF_3, NO_2, or (a); provided R^c is not hydrogen; and when R^a and R^b are hydrogen, R^c may be a heterocyclic moiety selected from the group consisting of imidazol-1-yl, morpholinomethyl, N-methylimidazol-2-yl, and pyridin-2-yl; R^d and R^e each are independently selected form hydrogen, halogen, CF_3, NO_2 or imidazol-1-yl; m, n and p each are independently selected from an integer of 0 or 1; and R^f and R^g each are independently hydrogen; C_{1-4} alkyl; or R^f and R^g, taken together with the nitrogen atom to which they are attached, is a heterocyclic moiety selected from the group consisting of N-methylpiperazine, morpholine, thiomorpholine, N-benzylpiperazine and imidazolinone.



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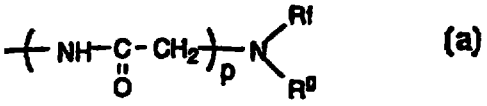

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