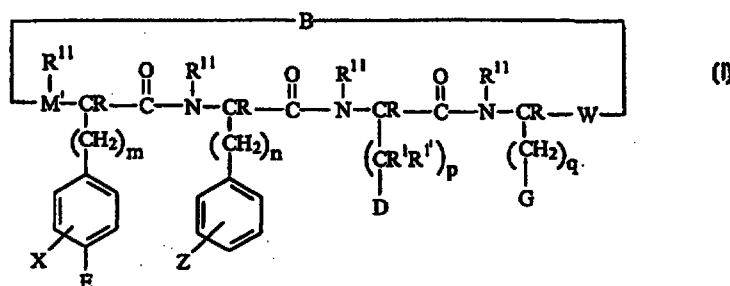




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C07K 14/68, 14/685, A61K 38/34, A61P 3/04		(11) International Publication Number: WO 00/58361
A1		(43) International Publication Date: 5 October 2000 (05.10.00)
(21) International Application Number: PCT/US00/07473 (22) International Filing Date: 21 March 2000 (21.03.00) (30) Priority Data: 60/126,673 29 March 1999 (29.03.99) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: MAZUR, Adam, Wieslaw; 9104 Fontainebleau Terrace, Cincinnati, OH 45231 (US). WANG, Feng; 7430 Woodcroft Drive, Cincinnati, OH 45241 (US). SHELDON, Russell, James; 5023 Winton Road, Fairfield, OH 45014 (US). EBETINO, Frank, Hal; 11249 Acrewood Drive, Cincinnati, OH 45249 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), 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, SK (Utility model), 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). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: MELANOCORTIN RECEPTOR LIGANDS



(57) Abstract

Disclosed are MC-4 and/or MC-3 receptor ligands having a structure according to Formula (I): wherein B, X, Z, D, G, R, R', R'', R''', m, n, p, and q are as described in the specification. The compounds are useful in treating diseases that are mediated by the MC-4 and/or the MC-3 receptor. As such, the invention is directed to methods of treating body weight disorders, such as obesity, anorexia, and cachexia. The invention also relates to the treatment of CNS depression, behavior-related disorders, memory-related disorders, cardiovascular function, inflammation, sepsis, septic shock, cardiogenic shock, hypovolemic shock, sexual dysfunction, erectile dysfunction, muscle atrophy, diseases associated with nerve growth and repair, and intrauterine fetal growth. Also disclosed are pharmaceutical compositions comprising the compounds of Formula (I).