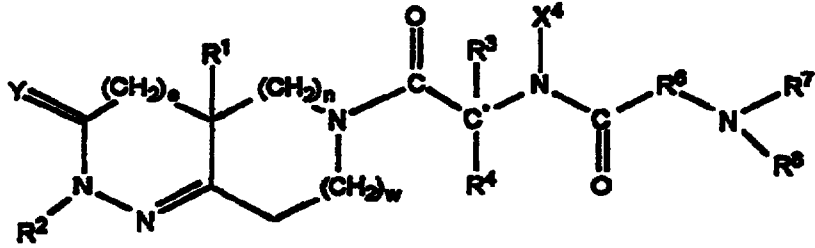


PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07K 5/06, A61K 38/05, C07D 471/04, 211/78, A61K 38/25 // (C07D 471/04, 231:00, 221:00)	A1	(11) International Publication Number: WO 98/58949 (43) International Publication Date: 30 December 1998 (30.12.98)
(21) International Application Number: PCT/IB98/00876 (22) International Filing Date: 5 June 1998 (05.06.98) (30) Priority Data: 60/050,790 25 June 1997 (25.06.97) US (71) Applicant (for all designated States except US): PFIZER PRODUCTS INC. [US/US]; Eastern Point Road, Groton, CT 06340 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): CARPINO, Philip, Albert [US/US]; 50 Meridian Street #2, Groton, CT 06340 (US). CHIU, Charles, Kwok-Fung [CN/US]; 1 Sentinel Hill Road, Attleboro, MA 02703 (US). LEFKER, Bruce, Allen [US/US]; 21 Eagle Ridge Drive, Gales Ferry, CT 06335 (US). PAN, Lydia, Codetta [US/US]; 8 Schooner Drive, Mystic, CT 06355 (US). TREADWAY, Judith, Lee [US/US]; 10 Nutmeg Drive, Gales Ferry, CT 06335 (US). ZAWISTOSKI, Michael, Paul [US/US]; 9 Marco Drive, West Warwick, RI 02893 (US).		(74) Agents: SPIEGEL, Allen, J.; c/o GREEN, Mark, Charles, Urquhart-Dykes & Lord, 91 Wimpole Street, London W1M 8AH (GB) et al. (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, ID, 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, US, 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 <i>With international search report.</i>
(54) Title: TREATMENT OF INSULIN RESISTANCE WITH GROWTH HORMONE SECRETAGOGUES  (I) (57) Abstract This invention is directed to methods of treating insulin resistance in a mammal which comprise administering an effective amount of a compound of formula (I), where the variables are defined in the specification, or the stereoisomeric mixtures, diastereomerically enriched, diastereomerically pure, enantiomerically enriched or enantiomerically pure isomers, or the pharmaceutically acceptable salts and prodrugs thereof to said mammal. The compounds of formula (I) are growth hormone secretagogues and as such are useful for increasing the level of endogenous growth hormone. In another aspect this invention provides certain intermediates which are useful in the synthesis of the foregoing compounds and certain processes useful for the synthesis of said intermediates and the compounds of formula (I). This invention is further directed to methods comprising administering to a human or other animal a combination of a functional somatostatin antagonist such as an alpha-2 adrenergic agonist and a compound of formula (I).		