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9705888-7

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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 38/00, 38/02, C07K 5/00, 7/00, 17/00 — A1

(11) International Publication Number: WO 96/39161

(43) International Publication Date: 12 December 1996 (12.12.96)

(21) International Application Number: PCT/US96/08437

(22) International Filing Date: 3 June 1996 (03.06.96)

(30) Priority Data:
08/462,223 5 June 1995 (05.06.95) US

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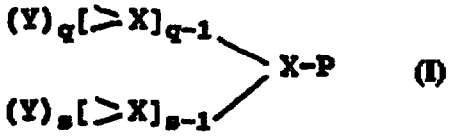
(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), 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: MULTI-TYROSINATED SOMATOSTATIN ANALOGS

(57) Abstract

Disclosed are methods and compositions for the diagnosis and treatment of diseases associated with aberrant expression of a somatostatin receptor (e.g., cancer) or with increased production of a factor regulatable by somatostatin (e.g., acromegaly). The compounds of the invention are of the general formulae: a) $(Y)_{n+1}P$, b) $(Y)_n$-Ala-Y-P, or c) (I), wherein P is a somatostatin peptide analog which binds to a somatostatin receptor, Y is D-tyrosine, L-tyrosine, or desamino-tyrosine, n is an integer from 1 to 32, inclusive, each q, independently, is an integer from 1 to 32, inclusive, and each s, independently, is an integer from 1 to 32, inclusive, where q and s can be the same or different, and X is of the formula D-NH_2-$CH(CH_2)_mNH_2$-CO_2H or L-NH_2-$CH(CH_2)_mNH_2$-CO_2H, wherein m is an integer from 1 to 10, inclusive.



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