

08 OCT 2003

2003058575

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
17 October 2002 (17.10.2002)

PCT

(10) International Publication Number
WO 02/081499 A3

- (51) International Patent Classification⁷: A61K 38/00, 38/12, 38/31, C07K 5/00, 7/00
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- (21) International Application Number: PCT/US02/10882
- (22) International Filing Date: 8 April 2002 (08.04.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/282,526 9 April 2001 (09.04.2001) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/282,526 (CON)
Filed on 9 April 2001 (09.04.2001)
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report: 8 May 2003
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



162162



ACTION

WO 02/081499 A3

(54) Title: SOMATOSTATIN AGONISTS

(57) Abstract: Claimed are a series of somatostatin agonists typically characterized by alkylation of the amide nitrogen, and uses thereof. Examples of claimed compounds are those according to formula (I), A¹-cyclo{Cys-A²-D-Trp-A³-A⁴-Cys}-A⁵-Y¹, wherein: A¹ is an optionally substituted D- or L-aromatic α-amino acid or optionally substituted D- or L-cyclo(C₃₋₆)alkylalanine; A² is an optionally substituted aromatic α-amino acid or optionally substituted cyclo(C₃₋₆)alkylalanine; A³ is Lys or Orn; A⁴ is β-Hydroxyvaline, Ser, hSer, or Thr; A⁵ is β-Hydroxyvaline, Ser, hSer, or Thr; and Y¹ is OH, NH₂ or NHR¹, where R¹ is (C₁₋₆) alkyl; wherein each said optionally substituted aromatic α-amino acid and each said optionally substituted cyclo(C₃₋₆) alkylalanine is optionally substituted with one or more substituents each independently selected from the group consisting of halogen, NO₂, OH, CN, (C₁₋₆)alkyl, (C₂₋₆)alkenyl, (C₂₋₆)alkynyl, (C₁₋₆)alkoxy, Bzl, O-Bzl, and NR⁹R¹⁰, where R⁹ and R¹⁰ each is independently H or (C₁₋₆) alkyl; and wherein the amine nitrogen of each peptide bond and the amino group of A¹ of formula (I) is optionally substituted with a methyl group, provided that there is at least one said methyl group; and further provided that said compound is not D-Phe-cyclo[Cys-Phe-D-Trp-Lys-(N-Me-Thr)-Cys]-Thr-NH₂; or a pharmaceutically acceptable salt thereof.