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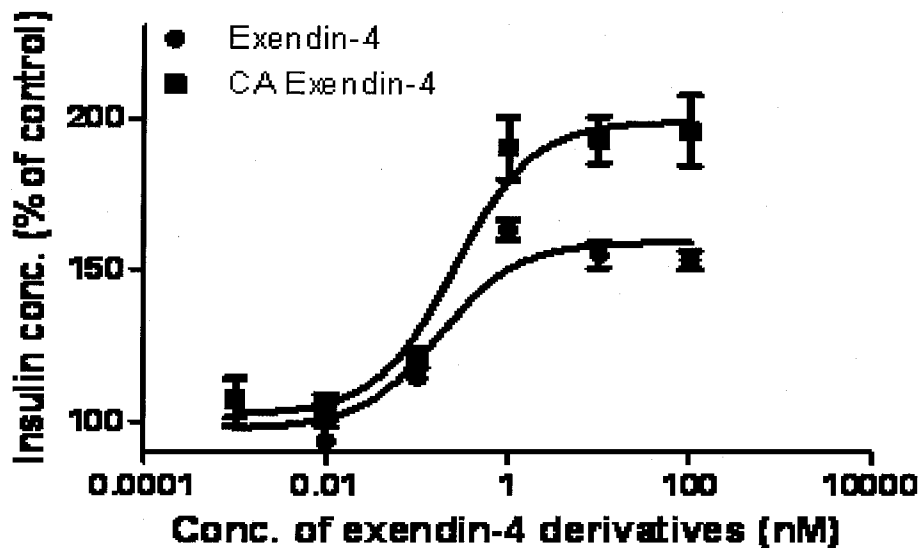
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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(54) Title: INSULINOTROPIC PEPTIDE DERIVATIVE WHEREIN ITS N-TERMINAL AMINO ACID IS MODIFIED

[FIG. 2]



(57) Abstract: The present invention relates to an N-terminal amino acid-modified insulinotropic peptide having a high activity, and to a pharmaceutical composition comprising the same. The insulinotropic peptide derivatives according to the present invention exhibit therapeutic effects, which are not observed in native and other insulinotropic peptide analogs. Therefore, the insulinotropic peptide derivatives and the pharmaceutical composition comprising the same according to the present invention can be effectively provided for the treatment of the diseases.

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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, NCBI PubMed database, google, google scholar, BLAST database  
"insulin", "exendin", "histidine", "N-terminal", "des-amino-histidyl"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7,220,721 B1 (BEELEY N. et al.) 22 May 2007 See the abstract and claims.	1-10
P,X	EP 1,938,831 A1 (AMYLIN PHARMACEUTICALS, INC.) 02 July 2008 See the claims.	1-10
P,X	WO 2008-082274 A1 (HANMI PHARMACEUTICAL CO.LTD.) 10 July 2008 See the abstract and claims.	1-10
A	US 2005-0037958 A1(YOUNG A. et al.) 17 February 2005 See the whole document.	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&amp;" document member of the same patent family

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Information on patent family members

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