

Title (en)
INSULIN MIMETIC AMINO ACID SEQUENCES

Title (de)
INSULINMIMETISCHE AMINOSÄURESEQUENZEN

Title (fr)
SEQUENCES D'ACIDES AMINES INSULINOMIMETIQUES

Publication
EP 1434797 A2 20040707 (DE)

Application
EP 02777293 A 20021007

Priority
• DE 10149668 A 20011009
• EP 0211214 W 20021007

Abstract (en)
[origin: DE10149668A1] Exsulins (I) (insulin mimetic aminoacid sequences), having a molecular weight of up to 55000 Daltons and comprising 1-50 basic nonapeptide units (I') (same or different) and their phosphorylated, acetylated, farnesylated, oxidized, carbohydrate-conjugated, lipid-conjugated and solid- or liquid carrier-immobilized derivatives are new. Exsulins (I) (insulin mimetic aminoacid sequences), having a molecular weight of up to 55000 Daltons and comprising 1-50 basic units (same or different) of formula (-) (L, V, I, A)-X<1>-X<2>- (L, V, I, A)-(D, E)-(N, Q, M)-X<3>- (C, H)-X<4>- (I'), and their phosphorylated, acetylated, farnesylated, oxidized, carbohydrate-conjugated, lipid-conjugated and solid- or liquid carrier-immobilized derivatives are new. (L, V, I, A) = leucine (L), valine (V), isoleucine (I) or alanine (A); (D, E) = aspartic acid (D) or glutamic acid (E); (N, Q, M) = asparagine (N), glutamine (Q) or methionine (M); (C, H) = cysteine (C) or histidine (H); X<1>-X<4> = same or different aminoacid residues. The units (I') are in the middle or at the terminals of the chains, one of the bonds (-) being absent in terminal units. The bonds (-) (if present) link the (I') units to amino acids or amino acid sequences or link (I') units with each other directly or via an amino acid or amino acid sequence.

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C07K 14/62; **C07K 14/475**; **A61K 38/30**; **A61K 38/28**

IPC 8 full level
C07K 14/62 (2006.01); **A61K 38/28** (2006.01); **A61K 38/30** (2006.01); **A61P 5/48** (2006.01); **C07K 14/415** (2006.01); **C07K 14/47** (2006.01); **C07K 14/475** (2006.01); **C12N 15/17** (2006.01); **A61K 38/00** (2006.01)

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