

SEQUENCE LISTING

<110> Novo Nordisk A/S

<120> Truncated GLP-1 derivatives and their therapeutical use

<130> 7695.204-WO

<160> 3

<170> PatentIn version 3.5

<210> 1

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> PEPTIDE

<222> (1)..(29)

<400> 1

His	Ala	Glu	Gly	Thr	Phe	Thr	Ser	Asp	Val	Ser	Ser	Tyr	Leu	Glu	Gly
1				5					10					15	

Gln	Ala	Ala	Lys	Glu	Phe	Ile	Ala	Trp	Leu	Val	Lys	Gly
			20					25				

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<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Formula I (GLP-1 analogues)

<220>

<221> PEPTIDE

<222> (1)..(29)

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<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa7 is L-his, D-his, desamino-his, 2-amino-his, beta-hydroxy-his, homohis, Nalpha-acetyl-his, alpha-fluoromethyl-his, alpha-methyl-hist, 3-pyridylalanine, 2-pyridylalanine or 4-pyridylalanine

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<221> MISC_FEATURE

<222> (2)..(2)

<223> Xaa8 is Ala, Gly, Val, Leu, Ile, Lys, Aib, (1-aminocyclopropyl,

-butyl-, -pentyl-, -hexyl-, -heptyl-, or -octyl)carboxylic acid

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<222> (3)..(3)
<223> Xaa9 is Glu or a Glu derivative such as alpha, alpha dimethyl-Glu

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<222> (10)..(10)
<223> Xaa16 is Val or Leu

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<222> (12)..(12)
<223> Xaa18 is Ser, Lys, Cys or Arg

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<222> (14)..(14)
<223> Xaa20 is Leu, Lys or Cys

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<222> (17)..(17)
<223> Xaa23 is Gln, Glu, Lys, Cys or Arg

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<222> (18)..(18)
<223> Xaa24 is Ala or Asn

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<222> (19)..(19)
<223> Xaa25 is Ala or Val

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<222> (21)..(21)
<223> Xaa27 is Glu, Ala or Leu

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<222> (24)..(24)
<223> Xaa30 is Ala, Glu, Lys, Arg or absent

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<221> MISC_FEATURE
<222> (25)..(25)
<223> Xaa31 is Trp, Lys, Cys or absent

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<222> (27)..(27)
<223> Xaa33 is Val, Lys, Cys or absent

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<221> MISC_FEATURE
<222> (28)..(28)
<223> Xaa34 is Lys, Glu, Asn, Arg, Cys or absent

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<221> MISC_FEATURE
<222> (29)..(29)
<223> Xaa35 is Gly, Aib or absent;

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Xaa Xaa Xaa Gly Thr Phe Thr Ser Asp Xaa Ser Xaa Tyr Xaa Glu Glu
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Xaa Xaa Xaa Arg Xaa Phe Ile Xaa Xaa Leu Xaa Xaa Xaa
20 25

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<213> Artificial Sequence

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<223> Formula II (GLP-1 analogues)

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<223> Xaa7 is L-his, D-his, desamino-his, 2-amino-his,
beta-hydroxy-his, homohis, Nalpha-acetyl-his,
alpha-fluoromethyl-his, alpha-methyl-his, 3-pyridylalanine,
2-pyridylalanine or 4-pyridylalanine

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa8 is Ala, Gly, Val, Leu, Ile, Lys, Aib, (1-aminocyclopropyl,
-butyl-, -pentyl-, -hexyl-, -heptyl-, or -octyl)carboxylic acid

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<221> MISC_FEATURE
<222> (12)..(12)
<223> Xaa18 is Ser, Lys or Arg

<220>
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<222> (24)..(24)
<223> Xaa30 is Ala, Glu, Lys, Arg or is absent

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<222> (24)..(24)
<223> Xaa30 is Ala, Glu, Lys, Arg or is absent

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<222> (27)..(27)
<223> Xaa33 is Val, Lys or absent

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<223> Xaa34 is Lys, Glu, Arg or is absent

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<222> (29)..(29)
<223> Xaa35 is Gly, Aib or is absent

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Xaa	Xaa	Glu	Gly	Thr	Phe	Thr	Ser	Asp	Val	Ser	Xaa	Tyr	Leu	Glu	Glu
1				5					10					15	

Gln	Ala	Ala	Arg	Glu	Phe	Ile	Xaa	Trp	Leu	Xaa	Xaa	Xaa
			20					25				