

OPA18231_Sequence List

<110> HANMI PHARM. CO., LTD.
 <120> Long-acting conjugates of GLP-2 derivatives
 <130> OPA18231
 <150> KR 10-2017-0126577
 <151> 2017-09-28
 <160> 9
 <170> KoPatentIn 3.0
 <210> 1
 <211> 33
 <212> PRT
 <213> Homo sapiens
 <400> 1
 His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
 1 5 10 15
 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
 20 25 30

Asp

<210> 2
 <211> 34
 <212> PRT
 <213> Artificial sequence
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 <223> GLP-2 derivative
 <220>
 <221> MISC_FEATURE
 <222> (1)
 <223> Xaa is imidazoacetyldeshistidine

<400> 2
 Xaa Gly Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
 1 5 10 15
 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
 20 25 30

Asp Cys

<210> 3
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 <212> PRT
 <213> Artificial sequence
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 <223> GLP-2 derivative
 <220>
 <221> MISC_FEATURE
 <222> (1)
 <223> Xaa is imidazoacetyldeshistidine

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<400> 3
Xaa Gly Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15
Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
20 25 30
Asp Lys

<210> 4
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> GLP-2 derivative

<220>
<221> MISC_FEATURE
<222> (1)
<223> Xaa is imidazoacetyldeshistidine

<400> 4
Xaa Gly Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15
Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Arg Ile Thr
20 25 30
Asp Lys

<210> 5
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> GLP-2 derivative

<220>
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<222> (1)
<223> Xaa is imidazoacetyldeshistidine

<220>
<221> MISC_FEATURE
<222> (34)
<223> Xaa is 6-azidolysine

<400> 5
Xaa Gly Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15
Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
20 25 30
Asp Xaa

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<210> 6
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> GLP-2 derivative

<220>
 <221> MISC_FEATURE
 <222> (1)
 <223> Xaa is imidazoacetylideshistidine

<400> 6
 Xaa Gly Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
 1 5 10 15
 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Arg Ile Thr
 20 25 30
 Asp Cys

<210> 7
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 <212> PRT
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<220>
 <223> GLP-2 derivative

<220>
 <221> MISC_FEATURE
 <222> (1)
 <223> Xaa is imidazoacetylideshistidine

<220>
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 <222> (2)
 <223> Xaa is Aib(2-aminoisobutyric acid)

<400> 7
 Xaa Xaa Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
 1 5 10 15
 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
 20 25 30
 Asp Cys

<210> 8
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<220>
 <223> GLP-2 derivative

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<220>
 <221> MISC_FEATURE
 <222> (2)
 <223> Xaa is Aib(2-aminoisobutyric acid)

<400> 8
 His Xaa Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
 1 5 10 15
 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
 20 25 30
 Asp Cys

<210> 9
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> GLP-2 derivative

<220>
 <221> MISC_FEATURE
 <222> (1)
 <223> Xaa = Histidine, imidazoacetyldeshistidine, desaminohistidine, beta-hydroxyimidazopropionyl-deshistidine, N-dimethylhistidine, or beta-carboxyimidazopropionyl-deshistidine

<220>
 <221> MISC_FEATURE
 <222> (2)
 <223> Xaa is Alanine, Glycine, or Aib(2-aminoisobutyric acid)

<220>
 <221> MISC_FEATURE
 <222> (30)
 <223> Xaa is Lysine, or Arginine

<220>
 <221> MISC_FEATURE
 <222> (34)
 <223> Xaa is absent, Lysine, Arginine, Glutamine, Histidine, 6-azidolysine, or Cysteine

<400> 9
 Xaa Xaa Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
 1 5 10 15
 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Xaa Ile Thr
 20 25 30
 Asp Xaa