X-16020 Sequence Listing.ST25.txt
SEQUENCE LISTING

<110> Eli Lilly and Company

<120> Polyethylene Glycol Linked GLP-1 Compounds

<130> X-16020

<140> 60/456081
<141> 2003-03-19

<160> 10

<170> PatentIn version 3.2

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<213> Homo sapiens

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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
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Xaa Xaa Xaa Xaa Xaa Phe Ile Xaa Trp Leu Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Phe Ile Xaa Trp Leu Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Phe Ile Xaa Trp Leu Xaa Xaa Xaa Xaa Xaa Xaa
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<223> Xaa at position 17 is Gln or Cys

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<223> Xaa at position 18 is Ala or Cys

<220>
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<222> (19)..(19)
<223> Xaa at position 19 is Ala, Val, Ile, Leu, or Cys

<220>
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<222> (20)..(20)
<223> Xaa at position 20 is Lys or Cys

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<223> Xaa at position 21 is Glu or Cys

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<223> Xaa at position 24 is Ala or Cys

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<222> (27)..(27)
<223> Xaa at position 27 is Val or Ile

<220>
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<223> Xaa at position 28 is Lys or Cys

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<223> Xaa at position 29 is Gly or Cys

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<223> Xaa at position 30 is Gly or Cys

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<223> Xaa at position 31 is Pro or Cys

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<223> Xaa at position 36 is Pro, Ala, or Cys

<220>
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<223> Xaa at position 37 is Pro, Ala, or Cys

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<222> (38)..(38)
<223> Xaa at position 38 is Pro, Ala, Arg, Lys, His, Cys, Absent, or a Modified Residue

<220>
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<223> AMIDATION

<220>
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<223> Xaa at position 39 is Ser, His, Pro, Lys, Arg, Cys, Absent or a Modified Residue

<220>
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<223> AMIDATION

<220>
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<223> Xaa at position 40 is His, Ser, Arg, Lys, Cys, Absent, or a Modified Residue

<220>
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<223> AMIDATION

<220>
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<222> (41)..(41)
<223> Xaa at position 41 is His, Ser, Arg, Lys, Cys, Absent, or a Modified Residue

<220>
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<223> AMIDATION

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Xaa Xaa Glu Gly Xaa Xaa Thr Ser Asp Xaa Ser Ser Tyr Lys Glu Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Phe Ile Xaa Trp Leu Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40

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<220>
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<223> Xaa at position 5 is Thr or Cys

<220>
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<222> (6)..(6)
<223> Xaa at position 6 is Phe or Cys

<220>
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<223> Xaa at position 10 is Val or Cys

<220>
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<223> Xaa at position 16 is Gly or Cys

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<220>
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<223> Xaa at position 33 is Ser, Arg, Thr, Trp, Lys, or Cys

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<223> Xaa at position 34 is Ser, Gly, or Cys

<220>
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<222> (35)..(35)
<223> Xaa at position 35 is Ala, Asp, Arg, Glu, Lys, Gly or Cys

<220>
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<223> Xaa at position 36 is Pro, Ala, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (36)..(36)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (37)..(37)
<223> Xaa at position 37 is Pro, Ala, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (37)..(37)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (38)..(38)
<223> Xaa at position 38 is Pro, Ala, Arg, Lys, His, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (38)..(38)
<223> AMIDATION

<220>
<221> MISC_FEATURE
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<223> Xaa at position 39 is Ser, His, Pro, Lys, Arg, Gly, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (39)..(39)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (40)..(40)
<223> Xaa at position 40 is His, Ser, Arg, Lys, Pro, Gly, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (40)..(40)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (41)..(41)
<223> Xaa at position 41 is His, Ser, Arg, Lys, Cys, Absent, or a

Modified Residue

<220>
<221> MOD_RES
<222> (41)..(41)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (42)..(42)
<223> Xaa at position 42 is Gly, His, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (42)..(42)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (43)..(43)
<223> Xaa at position 43 is Pro, His, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
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<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (44)..(44)
<223> Xaa at position 44 is Ser, His, Cys, Absent, or a Modified Residue

<220>
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<222> (44)..(44)
<223> AMIDATION

<400> 9

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 Gly Pro Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40

<210> 10
<211> 39
<212> PRT
<213> Artificial

<220>
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<220>

<221> MISC_FEATURE
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<223> Xaa at position 1 is L-histidine, D-histidine, desamino-histidine,

2-amino-histidine, beta-hydroxy-histidine, homohistidine,

alpha-fluoromethyl-histidine, alpha-methyl-histidine, Arg, Tyr,

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<223> Xaa at position 2 is Gly, Ser, Ala, or Thr

<220>
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<222> (3)..(3)
<223> Xaa at position 3 is Glu, Ala, or Asp

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa at position 4 is Gly, Ala, or Val

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa at position 5 is Thr, Cys, or Ala

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa at position 6 is Phe, Cys, Ala, or Tyr

<220>
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<222> (7)..(7)
<223> Xaa at position 7 is Thr or Ser

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> Xaa at position 8 is Ser, Ala, or Thr

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa at position 9 is Asp or Glu

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa at position 10 is Leu, Cys, Ala, Ile, Val, or Met

<220>
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<222> (11)..(11)
<223> Xaa at position 11 is Ser or Ala

<220>
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<223> Xaa at position 12 is Lys or Ala

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> Xaa at position 13 is Gln or Ala

<220>
<221> MISC_FEATURE
<222> (14)..(14)
<223> Xaa at position 14 is Met, Ala, Leu, Ile, or Val

<220>
<221> MISC_FEATURE
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<223> Xaa at position 15 is Glu or Ala

<220>
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<223> Xaa at position 16 is Glu, Cys, or Ala

<220>
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<223> Xaa at position 21 is Leu, Cys, or Ala

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<222> (22)..(22)
<223> Xaa at position 22 is Phe, Ala, or Tyr

<220>
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<223> Xaa at position 23 is Ile, Val, Leu, Gly, or Met

<220>
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<222> (24)..(24)
<223> Xaa at position 24 is Glu, Cys, Ala, or Asp

<220>
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<222> (25)..(25)

<223> Xaa at position 25 is Trp, Ala, Phe, or Tyr

<220>
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<222> (26)..(26)
<223> Xaa at position 26 is Leu or Ala

<220>
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<223> Xaa at position 27 is Lys or Ala

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<222> (28)..(28)
<223> Xaa at position 28 is Asn, Cys, or Ala

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<223> Xaa at position 31 is Pro or Cys

<220>
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<223> Xaa at position 32 is Ser, Cys, Absent, or a Modified Residue

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<223> AMIDATION

<220>
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<223> Xaa at position 33 is Ser, Cys, Absent, or a Modified Residue

<220>
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<222> (33)..(33)
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<220>
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<222> (34)..(34)
<223> Xaa at position 34 is Gly, Cys, Absent, or a Modified Residue

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<223> AMIDATION

<220>
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<222> (35)..(35)
<223> Xaa at position 35 is Ala, Cys, Absent, or a Modified Residue

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<222> (35)..(35)
<223> AMIDATION

<220>
<221> MISC_FEATURE
<222> (36)..(36)
<223> Xaa at position 36 is Pro, Cys, Absent, or a Modified Residue

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<222> (36)..(36)
<223> AMIDATION

<220>
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<222> (37)..(37)
<223> Xaa at position 37 is Pro, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (37)..(37)
<223> AMIDATION

<220>
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<222> (38)..(38)
<223> Xaa at position 38 is Pro, Cys, Absent, or a Modified Residue

<220>
<221> MOD_RES
<222> (38)..(38)
<223> AMIDATION

<220>
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<223> Xaa at position 39 is Ser, Cys, Absent, or a Modified Residue

<220>
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<223> AMIDATION

<400> 10

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35