

SEQUENCE LISTING

<110> Eli Lilly and Company

<120> Extended Time Action Acylated Insulin Compounds

<130> X22664

<150> US 63/025,463

<151> 2020-05-15

<160> 8

<170> PatentIn version 3.5

<210> 1

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> DISULFID

<222> (6)..(11)

<400> 1

Gly	Ile	Val	Glu	Gln	Cys	Cys	Thr	Ser	Ile	Cys	Ser	Leu	Glu	Gln	Leu
1				5					10					15	

Glu	Asn	Tyr	Cys	Asn
				20

<210> 2

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> MOD_RES

<222> (29)..(29)

<223> Epsilon amino group of Lys is chemically modified by conjugation with HO₂C-(CH₂)₁₈-CO-γGlu-γGlu-γGlu-X-, wherein X is -Lys-Gly-, -Lys-(2-[2-(2-aminoethoxy)ethoxy]acetic acid)-, or

-epsilonLys-Gly-

<400> 2

Phe	Val	Asn	Gln	His	Leu	Cys	Gly	Ser	His	Leu	Val	Glu	Ala	Leu	His
1				5				10						15	

Leu	Val	Cys	Gly	Glu	Arg	Gly	Phe	His	Tyr	Thr	Pro	Lys
			20					25				

<210> 3

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> MOD_RES

<222> (29)..(29)

<223> Epsilon amino group of Lys is chemically modified by conjugation with HO₂C-(CH₂)₁₈-CO-gammaGlu-gammaGlu-gammaGlu-Lys-Gly-

<400> 3

Phe	Val	Asn	Gln	His	Leu	Cys	Gly	Ser	His	Leu	Val	Glu	Ala	Leu	His
1				5				10						15	

Leu	Val	Cys	Gly	Glu	Arg	Gly	Phe	His	Tyr	Thr	Pro	Lys
			20					25				

<210> 4

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> MOD_RES

<222> (29)..(29)

<223> Epsilon amino group of Lys is chemically modified by conjugation with
HO₂C-(CH₂)₁₈-CO-gammaGlu-gammaGlu-gammaGlu-Lys-(2-[2-(2-aminoethoxy)ethoxy]acetic acid)-

<400> 4

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu His
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe His Tyr Thr Pro Lys
20 25

<210> 5

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> MOD_RES

<222> (29)..(29)

<223> Epsilon amino group of Lys is chemically modified by conjugation
with HO₂C-(CH₂)₁₈-CO-gammaGlu-gammaGlu-gammaGlu-epsilonLys-Gly-

<400> 5

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu His
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe His Tyr Thr Pro Lys
20 25

<210> 6

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 6

Thr Glu Thr Ser Gln Val Ala Pro Ala
1 5

<210> 7

<211> 118

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> DISULFID

<222> (41)..(104)

<220>

<221> DISULFID

<222> (53)..(117)

<220>

<221> DISULFID

<222> (103)..(108)

<400> 7

Met His His His His His His Gln Ala Ile Phe Val Leu Gln Gly Ser
1 5 10 15

Leu Asp Gln Asp Pro Glu Phe Glu Asn Leu Tyr Phe Gln Ile Glu Gly
20 25 30

Gly Arg Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala
35 40 45

Leu His Leu Val Cys Gly Glu Arg Gly Phe His Tyr Thr Pro Lys Arg
50 55 60

Arg Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly
65 70 75 80

Pro Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln
85 90 95

Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Glu Gln
100 105 110

Leu Glu Asn Tyr Cys Asn
115

<210> 8

<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 8

Phe	Val	Asn	Gln	His	Leu	Cys	Gly	Ser	His	Leu	Val	Glu	Ala	Leu	His
1				5					10					15	

Leu	Val	Cys	Gly	Glu	Arg	Gly	Phe	His	Tyr	Thr	Pro	Lys
			20					25				