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<120> Ligands of CRHR2, Compositions, Methods, and Uses

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
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20 25 30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
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20 25 30

Asn Ala His Leu Met Ala Gln Ile
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Asn Ala His Leu Met Ala Gln Ile
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Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
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Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
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1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
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            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
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1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

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Cys Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
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Asn Ala His Leu Met Ala Gln Ile
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1   5   10   15

Leu Cys Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

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1   5   10   15

Leu Phe Cys Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

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1 5 10 15

Leu Phe Asn Cys Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

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Leu Phe Asn Ile Cys Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
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Asn Ala His Leu Met Ala Gln Ile
35 40

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Leu Phe Asn Ile Ala Cys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
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Asn Ala His Leu Met Ala Gln Ile
        35   40

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Leu Phe Asn Ile Ala Lys Cys Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

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            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Cys Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Cys Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Cys Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Cys Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Cys Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Cys
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Cys Ala His Leu Met Ala Gln Ile
        35   40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Cys His Leu Met Ala Gln Ile
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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala Cys Leu Met Ala Gln Ile
        35   40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Cys Met Ala Gln Ile
        35   40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Cys Ala Gln Ile
        35   40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Cys Gln Ile
        35   40

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            20   25   30

Asn Ala His Leu Met Ala Cys Ile
        35   40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Cys
        35   40

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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Cys
        35   40

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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala Cys Leu Met Ala Gln Ile
        35   40

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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Cys Ala His Leu Met Ala Gln Ile
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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Cys
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

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1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Cys Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
        35                  40
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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Cys Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 49
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<223> Cys-NES

<400> 49

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Cys Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 50
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<223> Cys-NES

<400> 50

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Cys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30
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Asn Ala His Leu Met Ala Gln Ile
        35                  40


<210>  51
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<220>
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<223>  AMIDATION

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<223>  Cys-NES

<400>  51

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Cys Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40


<210>  52
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<212>  PRT
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<220>
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<220>
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<223>  AMIDATION

<220>
<221>  MOD_RES
<222>  (19)..(19)
<223>  Cys-NES

<400>  52

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15
```

Leu Phe Cys Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 53
<211> 40
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<220>
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<220>
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<223> AMIDATION

<220>
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<222> (17)..(17)
<223> Cys-NES

<400> 53

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1   5   10   15

Cys Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 54
<211> 40
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<223> AMIDATION

<220>
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<222> (16)..(16)
<223> Cys-NES

<400> 54

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Cys

1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 55
<211> 40
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 55

Cys Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 56
<211> 40
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 56

Thr Cys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 57
<211> 40
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 57

Thr Lys Cys Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 58
<211> 40
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 58

Thr Lys Phe Cys Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 59
<211> 40
<212> PRT
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 59

Thr Lys Phe Thr Cys Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 60
<211> 40
<212> PRT
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<220>
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<220>
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<223> AMIDATION

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<222> (6)..(6)
<223> Cys-NES-Peg_MW20000

<400> 60

Thr Lys Phe Thr Leu Cys Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 61
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 61

Thr Lys Phe Thr Leu Ser Cys Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 62
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<223> Cys-NES-Peg_MW20000

<400> 62

```
Thr Lys Phe Thr Leu Ser Leu Cys Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 63
<211> 40
<212> PRT
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<223> AMIDATION

<220>
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<223> Cys-NES-Peg_MW20000

<400> 63

```
Thr Lys Phe Thr Leu Ser Leu Asp Cys Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 64
<211> 40
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<220>
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<223> Cys-NES-Peg_MW20000

<400> 64

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Thr Lys Phe Thr Leu Ser Leu Asp Val Cys Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
```

<210> 65
<211> 40
<212> PRT
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<222> (11)..(11)
<223> Cys-NES-Peg_MW20000

<400> 65

```
Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Cys Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
```

<210> 66
<211> 40
<212> PRT
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 66

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Cys Ile Met Asn Leu
1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 67
<211> 40
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<223> Cys-NES-Peg_MW20000

<400> 67

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Cys Met Asn Leu
1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 68

<211> 40
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 68

```
Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Cys Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 69
<211> 40
<212> PRT
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<223> Cys-NES-Peg_MW20000

<400> 69

```
Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Cys Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 70
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<220>
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<223> Cys-NES-Peg_MW20000

<400> 70

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Cys
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
```

<210> 71
<211> 40
<212> PRT
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<220>
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<220>
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<223> Cys-NES-Peg_MW20000

<400> 71

```
Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Cys Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30
```

```
Asn Ala His Leu Met Ala Gln Ile
        35                  40


<210>  72
<211>  40
<212>  PRT
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<220>
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<220>
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<223>  AMIDATION

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<223>  Cys-NES-Peg_MW20000

<400>  72

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Cys Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40


<210>  73
<211>  40
<212>  PRT
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<220>
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<220>
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<223>  AMIDATION

<220>
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<223>  Cys-NES-Peg_MW20000

<400>  73

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15
```

Leu Phe Cys Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 74
<211> 40
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<220>
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<223> AMIDATION

<220>
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<222> (20)..(20)
<223> Cys-NES-Peg_MW20000

<400> 74

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1   5   10   15

Leu Phe Asn Cys Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 75
<211> 40
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<220>
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<223> AMIDATION

<220>
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<222> (21)..(21)
<223> Cys-NES-Peg_MW20000

<400> 75

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu

1 5 10 15

Leu Phe Asn Ile Cys Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 76
<211> 40
<212> PRT
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<220>
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<220>
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<223> AMIDATION

<220>
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<222> (22)..(22)
<223> Cys-NES-Peg_MW20000

<400> 76

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Cys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 77
<211> 40
<212> PRT
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<220>
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 77

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Cys Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 78
<211> 40
<212> PRT
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<220>
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<220>
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<223> AMIDATION

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<222> (24)..(24)
<223> Cys-NES-Peg_MW20000

<400> 78

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Cys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 79
<211> 40
<212> PRT
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<220>
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<220>
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<223> AMIDATION

<220>
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<222> (25)..(25)
<223> Cys-NES-Peg_MW20000

<400> 79

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Cys Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 80
<211> 40
<212> PRT
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<220>
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<220>
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<223> AMIDATION

<220>
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<222> (26)..(26)
<223> Cys-NES-Peg_MW20000

<400> 80

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Cys Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 81
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<223> AMIDATION

<220>
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<222> (27)..(27)
<223> Cys-NES-Peg_MW20000

<400> 81

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Cys Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 82
<211> 40
<212> PRT
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<220>
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<220>
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<222> (28)..(28)
<223> Cys-NES-Peg_MW20000

<400> 82

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 83
<211> 40
<212> PRT
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<220>

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<223> AMIDATION

<220>
<221> MOD_RES
<222> (29)..(29)
<223> Cys-NES-Peg_MW20000

<400> 83

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Cys Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 84
<211> 40
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<220>
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<222> (40)..(40)
<223> AMIDATION

<220>
<221> MOD_RES
<222> (30)..(30)
<223> Cys-NES-Peg_MW20000

<400> 84

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Cys Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 85
<211> 40
<212> PRT
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<220>
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<223> AMIDATION

<220>
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<222> (31)..(31)
<223> Cys-NES-Peg_MW20000

<400> 85

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Cys Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 86
<211> 40
<212> PRT
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<220>
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<223> AMIDATION

<220>
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<222> (32)..(32)
<223> Cys-NES-Peg_MW20000

<400> 86

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Cys
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 87
<211> 40
<212> PRT
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<220>
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<220>
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<223> AMIDATION

<220>
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<222> (33)..(33)
<223> Cys-NES-Peg_MW20000

<400> 87

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Cys Ala His Leu Met Ala Gln Ile
        35   40

<210> 88
<211> 40
<212> PRT
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<220>
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<220>
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<222> (40)..(40)
<223> AMIDATION

<220>
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<222> (34)..(34)
<223> Cys-NES-Peg_MW20000

<400> 88

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Cys His Leu Met Ala Gln Ile
        35   40

<210> 89

<211> 40
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<220>
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<220>
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<223> AMIDATION

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<223> Cys-NES-Peg_MW20000

<400> 89

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala Cys Leu Met Ala Gln Ile
        35                  40
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<210> 90
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<223> Cys-NES-Peg_MW20000

<400> 90

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Cys Met Ala Gln Ile
        35                  40
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<210> 91
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<223> Cys-NES-Peg_MW20000

<400> 91

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Cys Ala Gln Ile
        35                  40
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<223> Cys-NES-Peg_MW20000

<400> 92

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30
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Asn Ala His Leu Met Cys Gln Ile
        35                  40


<210>  93
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<223>  AMIDATION

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<223>  Cys-NES-Peg_MW20000

<400>  93

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Cys Ile
        35                  40


<210>  94
<211>  40
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<220>
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<223>  AMIDATION

<220>
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<223>  Cys-NES-Peg_MW20000

<400>  94

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15
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Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Cys
        35   40

<210> 95
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<220>
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<220>
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<223> Cys-NES-Peg_MW2000

<400> 95

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1   5   10   15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
            20   25   30

Asn Ala His Leu Met Ala Gln Ile
        35   40

<210> 96
<211> 40
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<223> Cys-NES-Peg_MW5000

<400> 96

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu

1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 97
<211> 40
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<223> AMIDATION

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<223> Cys-NES-Peg_MW12000

<400> 97

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1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 98
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<223> AMIDATION

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<223> Cys-NES-Peg_MW2000-NEM

<400> 98

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 99
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<223> Cys-NES-Peg_MW30000

<400> 99

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
            20                  25                  30

Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 100
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<223> Cys-NES-Peg_MW40000

<400> 100

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 101
<211> 40
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<223> Cys-NES-Peg_MW40000_Branched

<400> 101

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 102
<211> 40
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<223> AMIDATION

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<223> Cys-IA-Peg_MW20000

<400> 102

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 103
<211> 40
<212> PRT
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<220>
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<220>
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<220>
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<222> (28)..(28)
<223> Cys-IA-Peg_MW30000

<400> 103

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 104
<211> 40
<212> PRT
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<223> Cys-IA-Peg_MW40000

<400> 104

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Cys Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
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<210> 105
<211> 40
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<220>
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<223> Cys-IA-Peg_MW20000

<400> 105

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Cys Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala His Leu Met Ala Gln Ile
        35                  40
```

<210> 106
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<223> Cys-IA-Peg_MW20000

<400> 106

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Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1               5                   10                  15


Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
            20                  25                  30


Asn Ala Cys Leu Met Ala Gln Ile
        35                  40
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<210> 107
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> MOD_RES
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<223> AMIDATION

<400> 107

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Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu Leu
1               5                   10                  15


Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn
            20                  25                  30


Ala His Leu Met Ala Gln Ile
        35
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<210> 108
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

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

<400> 108

Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu Leu Phe Asn
1 5 10 15

Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn Ala His
20 25 30

Leu Met Ala Gln Ile
35

<210> 109
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

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

<400> 109

Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu Leu Phe Asn Ile
1 5 10 15

Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn Ala His Leu
20 25 30

Met Ala Gln Ile
35

<210> 110
<211> 35
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> (35)..(35)
<223> AMIDATION

<400> 110

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Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu Leu Phe Asn Ile Ala
1               5                   10                  15


Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn Ala His Leu Met
            20                  25                  30


Ala Gln Ile
        35


<210>  111
<211>  34
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic peptide


<220>
<221>  MOD_RES
<222>  (34)..(34)
<223>  AMIDATION

<400>  111

Leu Asp Val Pro Thr Asn Ile Met Asn Leu Leu Phe Asn Ile Ala Lys
1               5                   10                  15


Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn Ala His Leu Met Ala
            20                  25                  30


Gln Ile



<210>  112
<211>  33
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic peptide


<220>
<221>  MOD_RES
<222>  (33)..(33)
<223>  AMIDATION

<400>  112

Asp Val Pro Thr Asn Ile Met Asn Leu Leu Phe Asn Ile Ala Lys Ala
1               5                   10                  15


Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn Ala His Leu Met Ala Gln
            20                  25                  30
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Ile

<210> 113
<211> 40
<212> PRT
<213> Homo sapiens

<400> 113

Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
1 5 10 15

Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
20 25 30

Asn Ala His Leu Met Ala Gln Ile
35 40

<210> 114
<211> 40
<212> PRT
<213> Rattus norvegicus

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

<400> 114

Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg Thr
1 5 10 15

Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu Gln
20 25 30

Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 115
<211> 38
<212> PRT
<213> Homo sapiens

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

<400> 115

Ile Val Leu Ser Leu Asp Val Pro Ile Gly Leu Leu Gln Ile Leu Leu

1 5 10 15

Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln Ala Thr Thr Asn Ala
20 25 30

Arg Ile Leu Ala Arg Val
35

<210> 116
<211> 38
<212> PRT
<213> Homo sapiens

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

<400> 116

Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu Leu Phe
1 5 10 15

Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala Asn Ala
20 25 30

His Leu Met Ala Gln Ile
35

<210> 117
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> MOD_RES
<222> (43)..(43)
<223> AMIDATION

<400> 117

His Pro Gly Ser Arg Ile Val Leu Ser Leu Asp Val Pro Ile Gly Leu
1 5 10 15

Leu Gln Ile Leu Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln
20 25 30

Ala Thr Thr Asn Ala Arg Ile Leu Ala Arg Val
35 40

<210> 118
<211> 30

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MOD_RES
<222> (30)..(30)
<223> AMIDATION

<400> 118

Phe His Leu Leu Arg Lys Met Ile Glu Ile Glu Lys Gln Glu Lys Glu
1 5 10 15

Lys Gln Gln Ala Ala Asn Asn Arg Leu Leu Leu Asp Thr Ile
20 25 30