SEQUENCE LISTING

<110> Probiodrug AG

<120> Novel Inhibitors

<130> PBD 00082

<150> US 61/312,339
<151> 2010-03-10

<160> 20

<170> PatentIn version 3.5

<210> 1
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Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
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Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

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Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

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Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val
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Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu
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Met Val Gly Gly Val Val Ile Ala

35 40

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Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val
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Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu
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Met Val Gly Gly Val Val
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Phe

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Gln Leu Tyr Glu Asn Lys Pro Arg Arg Pro Tyr Ile Leu
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<210> 7
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<212> PRT
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<220>
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<222> (10)..(10)
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Gln His Trp Ser Tyr Gly Leu Arg Pro Gly
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<211> 97
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<213> Homo sapiens

<400> 8

Gln Pro Lys Val Pro Glu Trp Val Asn Thr Pro Ser Thr Cys Cys Leu
1 5 10 15

Lys Tyr Tyr Glu Lys Val Leu Pro Arg Arg Leu Val Val Gly Tyr Arg
20 25 30

Lys Ala Leu Asn Cys His Leu Pro Ala Ile Ile Phe Val Thr Lys Arg
35 40 45

Asn Arg Glu Val Cys Thr Asn Pro Asn Asp Asp Trp Val Gln Glu Tyr
50 55 60

Ile Lys Asp Pro Asn Leu Pro Leu Leu Pro Thr Arg Asn Leu Ser Thr
65 70 75 80

Val Lys Ile Ile Thr Ala Lys Asn Gly Gln Pro Gln Leu Leu Asn Ser
85 90 95

Gln

<210> 9
<211> 76
<212> PRT
<213> Homo sapiens

<400> 9

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

Asn Arg Lys Ile Pro Ile Gln Arg Leu Glu Ser Tyr Thr Arg Ile Thr
20 25 30

Asn Ile Gln Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Lys Arg Gly
35 40 45

Lys Glu Val Cys Ala Asp Pro Lys Glu Arg Trp Val Arg Asp Ser Met
50 55 60

Lys His Leu Asp Gln Ile Phe Gln Asn Leu Lys Pro
65 70 75

<210> 10
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<212> PRT
<213> Homo sapiens

<400> 10

Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe Thr
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Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
20 25 30

Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
35 40 45

Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Met
50 55 60

Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
65 70 75

<210> 11
<211> 68
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<213> Homo sapiens

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Gln Val Gly Thr Asn Lys Glu Leu Cys Cys Leu Val Tyr Thr Ser Trp
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Gln Ile Pro Gln Lys Phe Ile Val Asp Tyr Ser Glu Thr Ser Pro Gln
20 25 30

Cys Pro Lys Pro Gly Val Ile Leu Leu Thr Lys Arg Gly Arg Gln Ile
35 40 45

Cys Ala Asp Pro Asn Lys Lys Trp Val Gln Lys Tyr Ile Ser Asp Leu
50 55 60

Lys Leu Asn Ala
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<210> 12
<211> 373
<212> PRT
<213> Homo sapiens

<400> 12

Gln His His Gly Val Thr Lys Cys Asn Ile Thr Cys Ser Lys Met Thr
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Ser Lys Ile Pro Val Ala Leu Leu Ile His Tyr Gln Gln Asn Gln Ala
20 25 30

Ser Cys Gly Lys Arg Ala Ile Ile Leu Glu Thr Arg Gln His Arg Leu
35 40 45

Phe Cys Ala Asp Pro Lys Glu Gln Trp Val Lys Asp Ala Met Gln His

50 55 60

Leu Asp Arg Gln Ala Ala Ala Leu Thr Arg Asn Gly Gly Thr Phe Glu
65 70 75 80

Lys Gln Ile Gly Glu Val Lys Pro Arg Thr Thr Pro Ala Ala Gly Gly
85 90 95

Met Asp Glu Ser Val Val Leu Glu Pro Glu Ala Thr Gly Glu Ser Ser
100 105 110

Ser Leu Glu Pro Thr Pro Ser Ser Gln Glu Ala Gln Arg Ala Leu Gly
115 120 125

Thr Ser Pro Glu Leu Pro Thr Gly Val Thr Gly Ser Ser Gly Thr Arg
130 135 140

Leu Pro Pro Thr Pro Lys Ala Gln Asp Gly Gly Pro Val Gly Thr Glu
145 150 155 160

Leu Phe Arg Val Pro Pro Val Ser Thr Ala Ala Thr Trp Gln Ser Ser
165 170 175

Ala Pro His Gln Pro Gly Pro Ser Leu Trp Ala Glu Ala Lys Thr Ser
180 185 190

Glu Ala Pro Ser Thr Gln Asp Pro Ser Thr Gln Ala Ser Thr Ala Ser
195 200 205

Ser Pro Ala Pro Glu Glu Asn Ala Pro Ser Glu Gly Gln Arg Val Trp
210 215 220

Gly Gln Gly Gln Ser Pro Arg Pro Glu Asn Ser Leu Glu Arg Glu Glu
225 230 235 240

Met Gly Pro Val Pro Ala His Thr Asp Ala Phe Gln Asp Trp Gly Pro
245 250 255

Gly Ser Met Ala His Val Ser Val Val Pro Val Ser Ser Glu Gly Thr
260 265 270

Pro Ser Arg Glu Pro Val Ala Ser Gly Ser Trp Thr Pro Lys Ala Glu
275 280 285

Glu Pro Ile His Ala Thr Met Asp Pro Gln Arg Leu Gly Val Leu Ile
290 295 300

Thr Pro Val Pro Asp Ala Gln Ala Ala Thr Arg Arg Gln Ala Val Gly
305 310 315 320

Leu Leu Ala Phe Leu Gly Leu Leu Phe Cys Leu Gly Val Ala Met Phe
325 330 335

Thr Tyr Gln Ser Leu Gln Gly Cys Pro Arg Lys Met Ala Gly Glu Met
340 345 350

Ala Glu Gly Leu Arg Tyr Ile Pro Arg Ser Cys Gly Ser Asn Ser Tyr
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Val Leu Val Pro Val
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<210> 13
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<212> PRT
<213> Homo sapiens

<400> 13

Gln Pro Val Gly Ile Asn Thr Ser Thr Thr Cys Cys Tyr Arg Phe Ile
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Asn Lys Lys Ile Pro Lys Gln Arg Leu Glu Ser Tyr Arg Arg Thr Thr
20 25 30

Ser Ser His Cys Pro Arg Glu Ala Val Ile Phe Lys Thr Lys Leu Asp
35 40 45

Lys Glu Ile Cys Ala Asp Pro Thr Gln Lys Trp Val Gln Asp Phe Met
50 55 60

Lys His Leu Asp Lys Lys Thr Gln Thr Pro Lys Leu
65 70 75

<210> 14
<211> 33
<212> PRT
<213> Homo sapiens

<400> 14

Gln Pro Leu Pro Asp Cys Cys Arg Gln Lys Thr Cys Ser Cys Arg Leu
1 5 10 15

Tyr Glu Leu Leu His Gly Ala Gly Asn His Ala Ala Gly Ile Leu Thr
20 25 30

Leu

<210> 15
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<400> 15

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
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Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser
1 5 10 15

Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala
20 25 30

<210> 17
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<213> Artificial sequence

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<400> 17

Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser
1 5 10 15

Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val
20 25 30

<210> 18
<211> 34
<212> PRT
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<400> 18

Glu Ala Ser Asn Cys Phe Ala Ile Arg His Phe Glu Asn Lys Phe Ala
1 5 10 15

Val Glu Thr Leu Ile Cys Ser Arg Thr Val Lys Lys Asn Ile Ile Glu
20 25 30

Glu Asn

<210> 19
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<400> 19

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Glu Ala Ser Asn Cys Phe Ala Ile Arg His Phe Glu Asn Lys Phe Ala
1               5                   10                  15

Val Glu Thr Leu Ile Cys Phe Asn Leu Phe Leu Asn Ser Gln Glu Lys
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His Tyr
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