

PBD 00062_WO.ST25.txt
SEQUENCE LISTING

<110> Probiodrug AG

<120> NEW USE OF GLUTAMINYL CYCLASE INHIBITORS

<130> PBD 00062/WO

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 99

<212> PRT

<213> Homo sapiens

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Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Pro Val
20 25 30

Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu
35 40 45

Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val
50 55 60

Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln
65 70 75 80

Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr
85 90 95

Pro Lys Thr

<210> 2

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<212> DNA

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<213> Homo sapiens

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aggaagatct cagtgcagag gctcgcgagc tatagaagaa tcaccagcag caagtgtccc 180
aaagaagctg tgatcttcaa gaccattgtg gccaaaggaga tctgtgctga cccaagcag 240
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<212> DNA

<213> human

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aattaccacc agccagccat tttgaattca tcggctcttc ggcaaattgc agaaggcacc 180
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gccgtgccat gtgcaatgat gttggaactt gctcgtgcct tagacaagaa actcctttcc 540
ttaaagactg tttcagactc caagccagat ttgtcactcc agctgatctt ctttgatggt 600
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<210> 4

<211> 361

<212> PRT

<213> human

<400> 4

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Leu Leu Val Ala Ala Leu Pro Trp Ala Ser Arg Gly Val Ser Pro Ser
 20 25 30

Ala Ser Ala Trp Pro Glu Glu Lys Asn Tyr His Gln Pro Ala Ile Leu
 35 40 45

Asn Ser Ser Ala Leu Arg Gln Ile Ala Glu Gly Thr Ser Ile Ser Glu
 50 55 60

Met Trp Gln Asn Asp Leu Gln Pro Leu Leu Ile Glu Arg Tyr Pro Gly
 65 70 75 80

Ser Pro Gly Ser Tyr Ala Ala Arg Gln His Ile Met Gln Arg Ile Gln
 85 90 95

Arg Leu Gln Ala Asp Trp Val Leu Glu Ile Asp Thr Phe Leu Ser Gln
 100 105 110

Thr Pro Tyr Gly Tyr Arg Ser Phe Ser Asn Ile Ile Ser Thr Leu Asn
 115 120 125

Pro Thr Ala Lys Arg His Leu Val Leu Ala Cys His Tyr Asp Ser Lys
 130 135 140

Tyr Phe Ser His Trp Asn Asn Arg Val Phe Val Gly Ala Thr Asp Ser
 145 150 155 160

Ala Val Pro Cys Ala Met Met Leu Glu Leu Ala Arg Ala Leu Asp Lys
 165 170 175

Lys Leu Leu Ser Leu Lys Thr Val Ser Asp Ser Lys Pro Asp Leu Ser
 180 185 190

Leu Gln Leu Ile Phe Phe Asp Gly Glu Glu Ala Phe Leu His Trp Ser
 195 200 205

Pro Gln Asp Ser Leu Tyr Gly Ser Arg His Leu Ala Ala Lys Met Ala
 210 215 220

Ser Thr Pro His Pro Pro Gly Ala Arg Gly Thr Ser Gln Leu His Gly
 225 230 235 240

PBD_00062_WO.ST25.txt

Met Asp Leu Leu Val Leu Leu Asp Leu Ile Gly Ala Pro Asn Pro Thr
245 250 255

Phe Pro Asn Phe Phe Pro Asn Ser Ala Arg Trp Phe Glu Arg Leu Gln
260 265 270

Ala Ile Glu His Glu Leu His Glu Leu Gly Leu Leu Lys Asp His Ser
275 280 285

Leu Glu Gly Arg Tyr Phe Gln Asn Tyr Ser Tyr Gly Gly Val Ile Gln
290 295 300

Asp Asp His Ile Pro Phe Leu Arg Arg Gly Val Pro Val Leu His Leu
305 310 315 320

Ile Pro Ser Pro Phe Pro Glu Val Trp His Thr Met Asp Asp Asn Glu
325 330 335

Glu Asn Leu Asp Glu Ser Thr Ile Asp Asn Leu Asn Lys Ile Leu Gln
340 345 350

Val Phe Val Leu Glu Tyr Leu His Leu
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<212> DNA

<213> Artificial sequence

<220>

<223> DNA primer

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<210> 10

<211> 38

<212> DNA

<213> Artificial sequence

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38

<210> 11

<211> 99

<212> PRT

<213> Homo sapiens

<400> 11

Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Met Ala Ala Thr
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20 25 30Thr Cys Cys Phe Asn Val Ile Asn Arg Lys Ile Pro Ile Gln Arg Leu
35 40 45Glu Ser Tyr Thr Arg Ile Thr Asn Ile Gln Cys Pro Lys Glu Ala Val
50 55 60Ile Phe Lys Thr Gln Arg Gly Lys Glu Val Cys Ala Asp Pro Lys Glu
65 70 75 80Arg Trp Val Arg Asp Ser Met Lys His Leu Asp Gln Ile Phe Gln Asn
85 90 95

Leu Lys Pro

<210> 12

<211> 300

<212> DNA

<213> Homo sapiens

<400> 12

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aaggaagctg tgatcttcaa gacccaacgg ggcaaggagg tctgtgctga cccaaggag 240

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<210> 13

<211> 99

<212> PRT

<213> Homo sapiens

<400> 13

Met Lys Ala Ser Ala Ala Leu Leu Cys Leu Leu Leu Thr Ala Ala Ala
 1 5 10 15

Phe Ser Pro Gln Gly Leu Ala Gln Pro Val Gly Ile Asn Thr Ser Thr
 20 25 30

Thr Cys Cys Tyr Arg Phe Ile Asn Lys Lys Ile Pro Lys Gln Arg Leu
 35 40 45

Glu Ser Tyr Arg Arg Thr Thr Ser Ser His Cys Pro Arg Glu Ala Val
 50 55 60

Ile Phe Lys Thr Lys Leu Asp Lys Glu Ile Cys Ala Asp Pro Thr Gln
 65 70 75 80

Lys Trp Val Gln Asp Phe Met Lys His Leu Asp Lys Lys Thr Gln Thr
 85 90 95

Pro Lys Leu

<210> 14

<211> 300

<212> DNA

<213> Homo sapiens

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aagaaaatcc ctaagcagag gctggagagc tacagaagga ccaccagtag ccactgtccc	180
cgggaagctg taatcttcaa gaccaaactg gacaaggaga tctgtgctga cccacacag	240
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<211> 98

<212> PRT

<213> Homo sapiens

<400> 15

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Met Lys Val Ser Ala Val Leu Leu Cys Leu Leu Leu Met Thr Ala Ala
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Phe Asn Pro Gln Gly Leu Ala Gln Pro Asp Ala Leu Asn Val Pro Ser
20 25 30

Thr Cys Cys Phe Thr Phe Ser Ser Lys Lys Ile Ser Leu Gln Arg Leu
35 40 45

Lys Ser Tyr Val Ile Thr Thr Ser Arg Cys Pro Gln Lys Ala Val Ile
50 55 60

Phe Arg Thr Lys Leu Gly Lys Glu Ile Cys Ala Asp Pro Lys Glu Lys
65 70 75 80

Trp Val Gln Asn Tyr Met Lys His Leu Gly Arg Lys Ala His Thr Leu
85 90 95

Lys Thr

<210> 16

<211> 297

<212> DNA

<213> Homo sapiens

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aaggctgtca tcttcagaac caaactgggc aaggagatct gtgctgaccc aaaggagaag	240
tgggtccaga attatatgaa acacctgggc cggaaagctc acacctgaa gacttga	297