eolf-seql

SEQUENCE LISTING

<110> Copenhagen University

<120> High-Affinity, Dimeric Inhibitors of PSD-95 as Efficient Neuroprotectants against Ischemic Brain Damage and for treatment of pain

<130> P81101657EP00

<160> 2

<170> PatentIn version 3.3

<210> 1
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
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<223> HIS-PDZ1-2 DNA

<400> 1

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Met His His His His His Pro Arg Gly Ser Met Glu Tyr Glu Glu Ile
1               5                  10                  15

aca ttg gaa agg ggt aac tca ggt ctg ggc ttc agc atc gca ggt ggc       96
Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly
            20                  25                  30

act gac aac cca cac atc ggt gac gac cca tcc att ttc atc acc aag      144
Thr Asp Asn Pro His Ile Gly Asp Asp Pro Ser Ile Phe Ile Thr Lys
        35                  40                  45

atc att cct ggt ggg gct gcg gcc cag gat ggc cgc ctc agg gtc aac      192
Ile Ile Pro Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn
    50                  55                  60

gac agc atc ctg ttt gta aat gaa gtg gac gtg cgc gag gtg acc cac      240
Asp Ser Ile Leu Phe Val Asn Glu Val Asp Val Arg Glu Val Thr His
65                  70                  75                  80

tca gcg gcg gtg gaa gcc ctc aaa gag gca ggc tcc atc gtt cgc ctc      288
Ser Ala Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu
                85                  90                  95

tat gtc atg cgc cgg aag ccc ccg gct gag aag gtc atg gag atc aag      336
Tyr Val Met Arg Arg Lys Pro Pro Ala Glu Lys Val Met Glu Ile Lys
            100                 105                 110

ctc atc aag ggg cct aaa ggt ctt ggc ttc agc atc gca ggg ggc gta      384
Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val
        115                 120                 125

ggg aac cag cac atc cca gga gat aat agc atc tat gta aca aag atc      432
Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile
    130                 135                 140

atc gaa ggg ggt gct gcc cac aag gat ggg agg ttg cag att gga gac      480
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Ile Glu Gly Gly Ala Ala His Lys Asp Gly Arg Leu Gln Ile Gly Asp
145                 150                 155                 160

aag atc ctg gcg gtc aac agt gtg ggg cta gag gac gtc atg cat gaa      528
Lys Ile Leu Ala Val Asn Ser Val Gly Leu Glu Asp Val Met His Glu
                165                 170                 175

gat gct gtg gca gcc ctg aag aac acg tat gat gtt gtc tac cta aag      576
Asp Ala Val Ala Ala Leu Lys Asn Thr Tyr Asp Val Val Tyr Leu Lys
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gtg gcc aag ccc agc aat gcc tga attcg                               605
Val Ala Lys Pro Ser Asn Ala
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<212> PRT
<213> Homo sapiens

<400> 2

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Met His His His His His Pro Arg Gly Ser Met Glu Tyr Glu Glu Ile
1               5                   10                  15

Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly
            20                  25                  30

Thr Asp Asn Pro His Ile Gly Asp Asp Pro Ser Ile Phe Ile Thr Lys
        35                  40                  45

Ile Ile Pro Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn
    50                  55                  60

Asp Ser Ile Leu Phe Val Asn Glu Val Asp Val Arg Glu Val Thr His
65                  70                  75                  80

Ser Ala Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu
                85                  90                  95

Tyr Val Met Arg Arg Lys Pro Pro Ala Glu Lys Val Met Glu Ile Lys
            100                 105                 110

Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val
        115                 120                 125

Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile
    130                 135                 140

Ile Glu Gly Gly Ala Ala His Lys Asp Gly Arg Leu Gln Ile Gly Asp
145                 150                 155                 160
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```
Lys Ile Leu Ala Val Asn Ser Val Gly Leu Glu Asp Val Met His Glu
               165                 170                 175

Asp Ala Val Ala Ala Leu Lys Asn Thr Tyr Asp Val Val Tyr Leu Lys
           180                 185                 190

Val Ala Lys Pro Ser Asn Ala
       195
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