SEQUENCE LISTING

<110> Agency for Science, Technology and Research
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Chow , Edwin
Tasnim, Farah

<120> DELIVERY OF BMP-7 AND METHODS OF USE THEREOF

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<151> 2009-10-06

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<170> PatentIn version 3.5

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Gln Glu Arg Arg Glu Met Gln Arg Glu Ile Leu Ser Ile Leu Gly Leu
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Pro His Arg Pro Arg Pro His Leu Gln Gly Lys His Asn Ser Ala Pro
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Met Phe Met Leu Asp Leu Tyr Asn Ala Met Ala Val Glu Glu Gly Gly
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Gly Pro Gly Gly Gln Gly Phe Ser Tyr Pro Tyr Lys Ala Val Phe Ser
            100                 105                 110

Thr Gln Gly Pro Pro Leu Ala Ser Leu Gln Asp Ser His Phe Leu Thr
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Asp Ala Asp Met Val Met Ser Phe Val Asn Leu Val Glu His Asp Lys
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Glu Phe Phe His Pro Arg Tyr His His Arg Glu Phe Arg Phe Asp Leu
145                 150                 155                 160
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Ser Lys Ile Pro Glu Gly Glu Ala Val Thr Ala Ala Glu Phe Arg Ile
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Tyr Lys Asp Tyr Ile Arg Glu Arg Phe Asp Asn Glu Thr Phe Arg Ile
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Ser Val Tyr Gln Val Leu Gln Glu His Leu Gly Arg Glu Ser Asp Leu
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Phe Leu Leu Asp Ser Arg Thr Leu Trp Ala Ser Glu Glu Gly Trp Leu
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Val Phe Asp Ile Thr Ala Thr Ser Asn His Trp Val Val Asn Pro Arg
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His Asn Leu Gly Leu Gln Leu Ser Val Glu Thr Leu Asp Gly Gln Ser
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Ile Asn Pro Lys Leu Ala Gly Leu Ile Gly Arg His Gly Pro Gln Asn
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Lys Gln Pro Phe Met Val Ala Phe Phe Lys Ala Thr Glu Val His Phe
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Arg Ser Ile Arg Ser Thr Gly Ser Lys Gln Arg Ser Gln Asn Arg Ser
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Gly Tyr Ala Ala Tyr Tyr Cys Glu Gly Glu Cys Ala Phe Pro Leu Asn
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Ser Tyr Met Asn Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His
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Phe Ile Asn Pro Glu Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln
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    50                  55                  60

Ala Ala Val Met Glu Leu Arg Glu Gln Asn Lys Asp Leu Gln Thr Arg
65                  70                  75                  80

Val Arg Gln Leu Glu Ser Cys Glu Cys His Pro Ala Ser Pro Gln Cys
                85                  90                  95

Trp Gly Leu Gly Arg Ala Trp Pro Glu Gly Ala Arg Trp Glu Pro Asp
            100                 105                 110

Ala Cys Thr Ala Cys Val Cys Gln Asp Gly Ala Ala His Cys Gly Pro
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Gln Ala His Leu Pro His Cys Arg Gly Cys Ser Gln Asn Gly Gln Thr
    130                 135                 140

Tyr Gly Asn Gly Glu Thr Phe Ser Pro Asp Ala Cys Thr Thr Cys Arg
145                 150                 155                 160

Cys Leu Thr Gly Ala Val Gln Cys Gln Gly Pro Ser Cys Ser Glu Leu
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Asn Cys Leu Glu Ser Cys Thr Pro Pro Gly Glu Cys Cys Pro Ile Cys
            180                 185                 190

Cys Thr Glu Gly Gly Ser His Trp Glu His Gly Gln Glu Trp Thr Thr
        195                 200                 205

Pro Gly Asp Pro Cys Arg Ile Cys Arg Cys Leu Glu Gly His Ile Gln
    210                 215                 220

Cys Arg Gln Arg Glu Cys Ala Ser Leu Cys Pro Tyr Pro Ala Arg Pro
225                 230                 235                 240

Leu Pro Gly Thr Cys Cys Pro Val Cys Asp Gly Cys Phe Leu Asn Gly
                245                 250                 255

Arg Glu His Arg Ser Gly Glu Pro Val Gly Ser Gly Asp Pro Cys Ser
            260                 265                 270
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Pro Pro Val Pro Cys Arg His Pro Gly Lys Ile Pro Gly Gln Cys Cys
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Pro Val Cys Asp Gly Cys Glu Tyr Gln Gly His Gln Tyr Gln Ser Gln
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325 330 335

Gln Ala Gly Glu Val Ser Cys Glu Glu Gln Glu Cys Pro Val Thr Pro
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Cys Ala Leu Pro Ala Ser Gly Arg Gln Leu Cys Pro Ala Cys Glu Leu
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Asp Gly Glu Glu Phe Ala Glu Gly Val Gln Trp Glu Pro Asp Gly Arg
370 375 380

Pro Cys Thr Ala Cys Val Cys Gln Asp Gly Val Pro Lys Cys Gly Ala
385 390 395 400

Val Leu Cys Pro Pro Ala Pro Cys Gln His Pro Thr Gln Pro Pro Gly
405 410 415

Ala Cys Cys Pro Ser Cys Asp Ser Cys Thr Tyr His Ser Gln Val Tyr
420 425 430

Ala Asn Gly Gln Asn Phe Thr Asp Ala Asp Ser Pro Cys His Ala Cys
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His Cys Gln Asp Gly Thr Val Thr Cys Ser Leu Val Asp Cys Pro Pro
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Thr Thr Cys Ala Arg Pro Gln Ser Gly Pro Gly Gln Cys Cys Pro Arg
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Phe Ser His Pro Arg Asp Pro Cys Gln Glu Cys Arg Cys Gln Glu Gly
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Glu Cys Cys Pro Gln Cys Pro Ala Pro Ala Gly Cys Pro Arg Pro Gly
595 600 605

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Pro Ser Cys Asp Gly Cys Leu Tyr Gln Gly Lys Glu Phe Ala Ser Gly
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Glu Arg Phe Pro Ser Pro Thr Ala Ala Cys His Leu Cys Leu Cys Trp
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Glu Gly Ser Val Ser Cys Glu Pro Lys Ala Cys Ala Pro Ala Leu Cys
690 695 700

Pro Phe Pro Ala Arg Gly Asp Cys Cys Pro Asp Cys Asp Gly Cys Glu
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725 730 735

Glu Pro Cys Asn Leu Cys Thr Cys Leu Gly Gly Phe Val Thr Cys Gly
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Arg Arg Pro Cys Glu Pro Pro Gly Cys Ser His Pro Leu Ile Pro Ser
755 760 765

Gly His Cys Cys Pro Thr Cys Gln Gly Cys Arg Tyr His Gly Val Thr
770 775 780

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785 790 795 800

Leu Cys Thr Cys Gln Glu Gly Ser Met Arg Cys Gln Lys Lys Pro Cys
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Pro Pro Ala Leu Cys Pro His Pro Ser Pro Gly Pro Cys Phe Cys Pro
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Val Cys His Ser Cys Leu Ser Gln Gly Arg Glu His Gln Asp Gly Glu
835 840 845

Glu Phe Glu Gly Pro Ala Gly Ser Cys Glu Trp Cys Arg Cys Gln Ala
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Gly Gln Val Ser Cys Val Arg Leu Gln Cys Pro Pro Leu Pro Cys Lys
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Leu Gln Val Thr Glu Arg Gly Ser Cys Cys Pro Arg Cys Arg Gly Cys
885 890 895

Leu Ala His Gly Glu Glu His Pro Glu Gly Ser Arg Trp Val Pro Pro
900 905 910

Asp Ser Ala Cys Ser Ser Cys Val Cys His Glu Gly Val Val Thr Cys
915 920 925

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930 935 940

His Asp Cys Cys Pro Gln Cys Ser Asp Cys Glu His Glu Gly Arg Lys
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Tyr Glu Pro Gly Glu Ser Phe Gln Pro Gly Ala Asp Pro Cys Glu Val
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Arg Thr Phe Asp Gly Arg Leu Leu His Phe Gln Gly Ser Cys Ser
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Pro Phe Ser Arg Cys His Ala Val Val Pro Pro Glu Pro Phe Phe
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Ala Asp Ala Cys Leu Cys Asp Ala Leu Glu Ala Tyr Ala Ser His
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Cys Gly Pro Pro Cys Pro Arg Thr Cys Phe Asn Gln His Ile Pro
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Leu Gly Glu Leu Ala Ala His Cys Val Arg Pro Cys Val Pro Gly
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Cys Gln Cys Pro Ala Gly Leu Val Glu His Glu Ala His Cys Ile
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Ser Gln Glu Gln Trp His Pro Leu Arg Glu Trp Leu Gly Arg Leu Glu
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Ala Ala Val Met Glu Leu Arg Glu Gln Asn Lys Asp Leu Gln Thr Arg
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Val Arg Gln Leu Glu Ser Cys Glu Cys His Pro Ala Ser Pro Gln Cys
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Glu Pro Val Gly Ser Gly Asp Pro Cys Ser His Cys Arg Cys Ala Asn
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Gly Ser Val Gln Cys Glu Pro Leu Pro Cys Pro Pro Val Pro Cys Arg
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435 440 445

Cys Gln Asp Gly Val Pro Lys Cys Gly Ala Val Leu Cys Pro Pro Ala
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Thr Asp Ala Asp Ser Pro Cys His Ala Cys His Cys Gln Asp Gly Thr
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Val Thr Cys Ser Leu Val Asp Cys Pro Pro Thr Thr Cys Ala Arg Pro
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Gln Ser Gly Pro Gly Gln Cys Cys Pro Arg Cys Pro Asp Cys Ile Leu
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580 585 590

Cys Pro Asn Asp Cys Ser Gly Cys Ala Phe Gly Gly Lys Glu Tyr Pro
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Ser Gly Ala Asp Phe Pro His Pro Ser Asp Pro Cys Arg Leu Cys Arg
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Cys Leu Ser Gly Asn Val Gln Cys Leu Ala Arg Arg Cys Val Pro Leu
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Val Ser Cys Glu Pro Lys Ala Cys Ala Pro Ala Leu Cys Pro Phe Pro
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