

SeqID Listing ST25 12 june 2008
SEQUENCE LISTING

<110> BRACCO International B.V.
<120> Targeting And Therapeutic Compounds With A Polyproline-comprising
Spacer And Gas-filled Microvesicles Comprising Said Compounds
<130> B0580/054-EP-P0
<160> 30
<170> PatentIn version 3.3

<210> 1
<211> 19
<212> PRT
<213> Artificial

<220>
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<222> (1)..(1)
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<222> (4)..(12)

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<222> (19)..(19)
<223> AMIDATION

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<223> /note="Lys" is "Adoa-Adoa-lysine" in seq001(Adoa-Adoa)"

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Trp Gln Pro Cys Pro Trp Glu Ser Trp Thr Phe Cys Trp Asp Pro Gly
1 5 10 15

Gly Gly Lys

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 <223> /note="Lys" is "Adoa-Adoa-lysine" in seq002(Adoa-Adoa)"

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 1 5 10 15

Gly Gly Lys

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 <223> /note="Lys" is "Adoa-Adoa-lysine" in seq003(Adoa-Adoa)"

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Arg Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln
 1 5 10 15

Leu Arg His Ala Phe Leu Ser Gly Gly Gly Gly Gly Lys
 20 25

<210> 4
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 <223> /note="seq004 and seq004(Adoa) are binding peptide sequences and linker-functionalized peptides"

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 <223> /note="Thr" is "Adoa-Threonine" in seq004(Adoa)"

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<221> MISC_FEATURE
 <222> 1..5
 <223> /note="seq004-P(Adoa) - peptidic spacer"
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 <223> /note="Thr" is "Adoa-Bn-Threonine" in seq004-P(Adoa)"
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 <222> (2)..(2)
 <223> /note="Lys" is "Cbz-lysine" in seq004-P(Adoa)"
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 <222> (5)..(5)
 <223> /note="Arg" is "(NO2)-OBn-arginine" in seq004-P(Adoa)"
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Thr Lys Pro Pro Arg
 1 5

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Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
 1 5 10 15

Gly Thr Gly Gly Gly Lys
 20

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<223> /note="Lys" is "Adoa-Adoa-Lysine" in seq006(Adoa-Adoa)"

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Val Cys Trp Glu Asp Ser Trp Gly Gly Glu Val Cys Phe Arg Tyr Asp
1 5 10 15

Pro Gly Gly Gly Lys
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<210> 7

<211> 44

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<223> AMIDATION

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<223> Lysine is linked to the epsilon amino group of the lysine in position 22

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<222> (23)..(23)
<223> /note="Lys" is "Glu-Adoa-Adoa-Lysine"

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Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
 1 5 10 15

Gly Thr Gly Gly Gly Lys Lys Lys Gly Gly Gly Pro Asp Tyr Arg Phe
 20 25 30

Cys Val Glu Gly Gly Trp Ser Asp Glu Trp Cys Val
 35 40

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 <223> /note=""Lys" is "Ttda-Dda-Lysine" in seq008(Ttda-Dga)"

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Trp Gln Pro Cys Pro Ala Glu Ser Trp Thr Phe Cys Trp Asp Pro Gly
 1 5 10 15

ser Ala Gly ser Lys
 20

<210> 9
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<223> /note=""Lys" is "Ttda-Dga-Lysine" in seq009(Ttda-Dga)"

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Trp Gln Pro Cys Pro Ala Glu Ser Trp Thr Phe Cys Trp Asp Pro Gly
1 5 10 15

Ala Gly Ser Gly Lys
20

<210> 10

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<212> PRT

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<222> (29)..(29)
<223> /note=""Lys" is "Ttda-Dga-Lysine" in seq010(Ttda-Dga)"

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Arg Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln
1 5 10 15

Leu Arg His Ala Phe Leu Ser Gly Ala Gly Ser Gly Lys
20 25

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 <222> (29)..(29)
 <223> /note="Lys" is "Ttda-Dga-Lysine" in seq011(Ttda-Dga)""

<400> 11

Arg Ala Gln Asp Trp Tyr Tyr Asp Glu Ile Leu Ser Met Ala Asp Gln
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Leu Arg His Ala Phe Leu Ser Gly Ser Ala Gly Ser Lys
 20 25

<210> 12
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 <223> seq005(ivDde) - binding peptide sequence and linker-functionalized peptide

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 <223> Lysine is linked to the epsilon-amino group of the lysine in position 22

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 <221> VARIANT
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 <223> /note="Lys" is "ivDde-Lysine" in seq005(ivDde)""

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Ala Gly Pro Thr Trp Cys Glu Asp Asp Trp Tyr Tyr Cys Trp Leu Phe
 1 5 10 15

Gly Thr Gly Gly Gly Lys Lys
 20

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<210> 13
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<400> 13

Lys Arg Lys Arg
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<400> 14

Lys Asp Lys Asp Lys Asp
 1 5

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<400> 15

Arg Lys Arg Lys Arg Lys
 1 5

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Arg Asp Arg Asp Arg Asp
 1 5

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Lys Glu Lys Glu Lys Glu Lys Glu
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 Ser Gly Ser Gly Ser Gly Ser Gly
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 Asp Ser Asp Ser Asp Ser Asp Ser
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Ser Asp Ser Asp Ser Asp Ser Asp
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Arg Ser Arg Ser Arg Ser Arg Ser
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<210> 25
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Lys Asp Ser Lys Asp Ser
 1 5

<210> 26
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Lys Lys Ser Asp Asp Ser
 1 5

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Pro Pro Pro Pro Pro
1 5

<210> 28

<211> 9

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<223> intermediate polyproline

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Pro Pro Pro Pro Pro Pro Pro Pro Pro
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<210> 29

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Gly Pro Pro Pro Pro Pro Pro Pro Pro Pro
1 5 10

<210> 30

<211> 9

<212> PRT

<213> Artificial

<220>

<223> intermediate polyproline

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<223> /note="Pro" is "Suo-Glut-proline"

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Pro Pro Pro Pro Pro Pro Pro Pro Pro
1 5 =