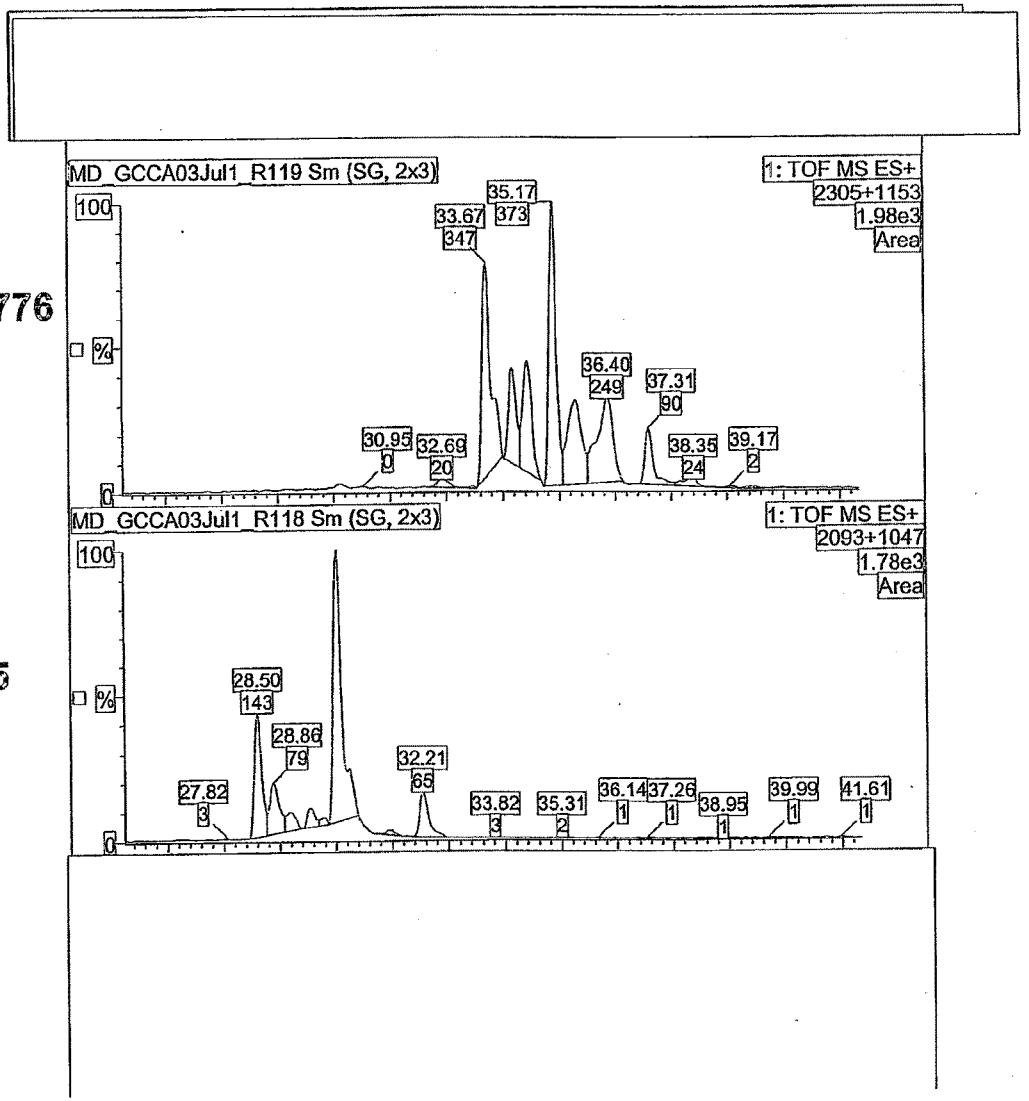
Figure 1a. LCMS analysis of recombinant peptide variants

(A) MM-416776



(B) MD-915

Figure 1b: LCMS analysis of synthetic MD-1100 (Total Ion Chromatograph (TIC))

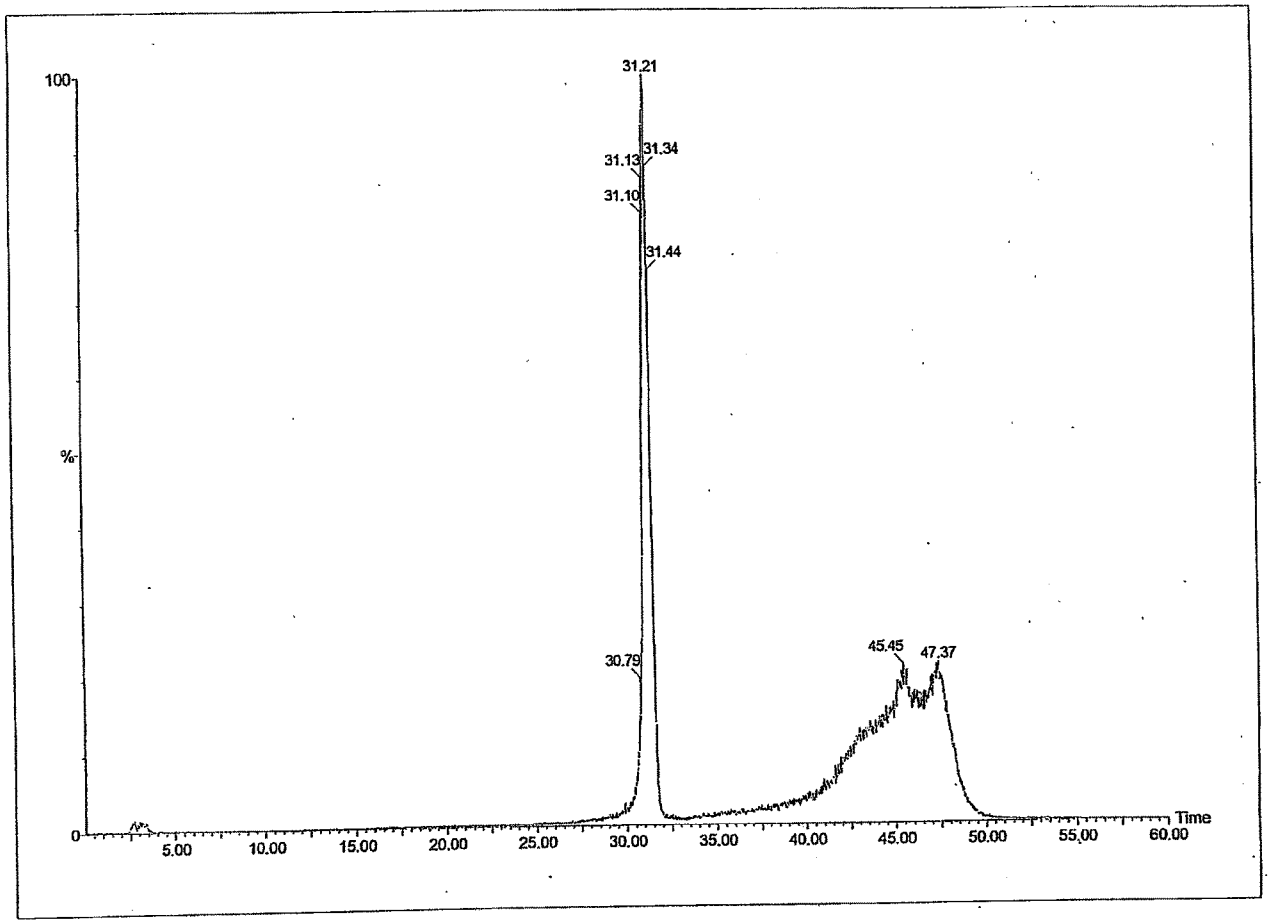


Figure 1c: LCMS analysis (Total Ion Chromatograph of blank used in MD-1100 analysis)

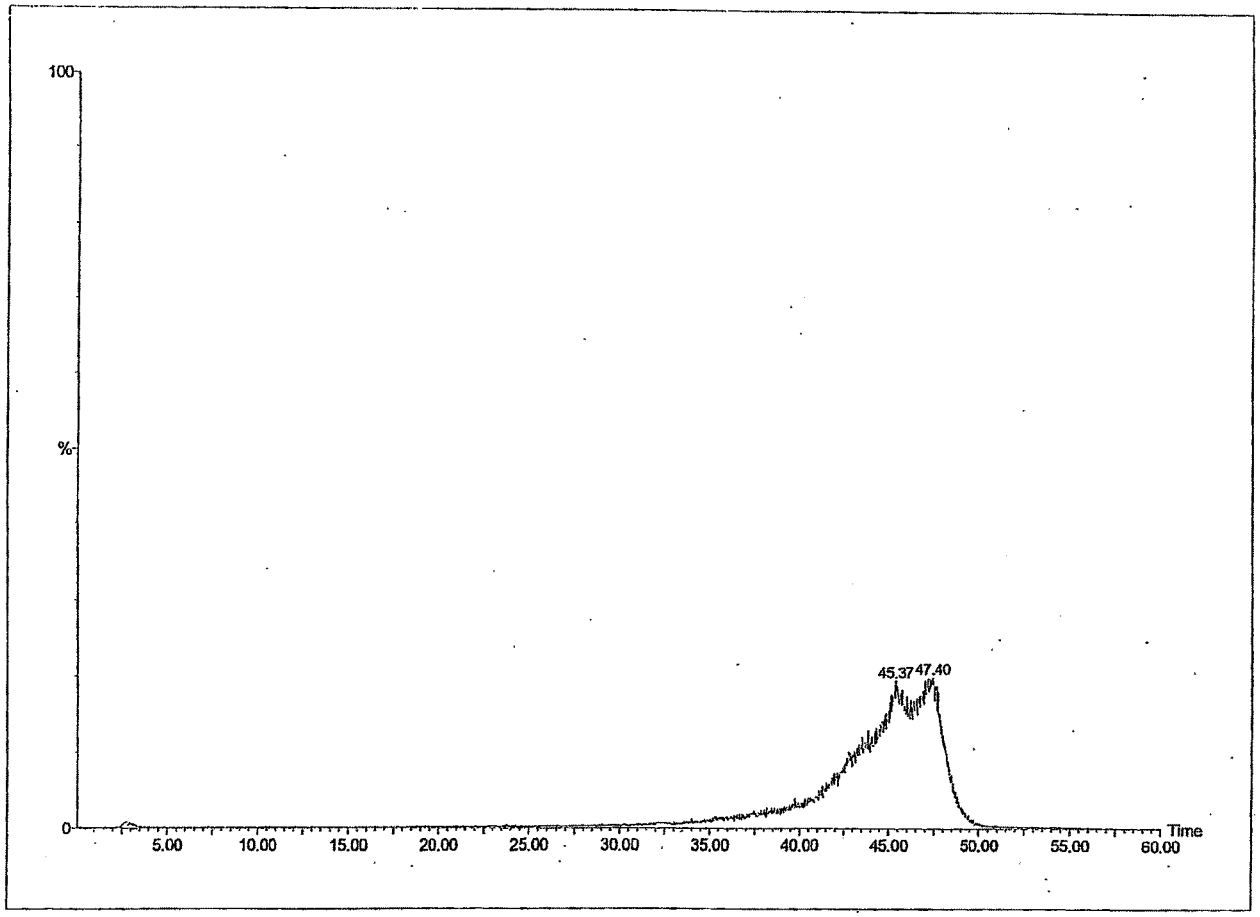


Figure 2. Chemically synthesized peptides in the Intestinal GC-C Receptor Activity Assay

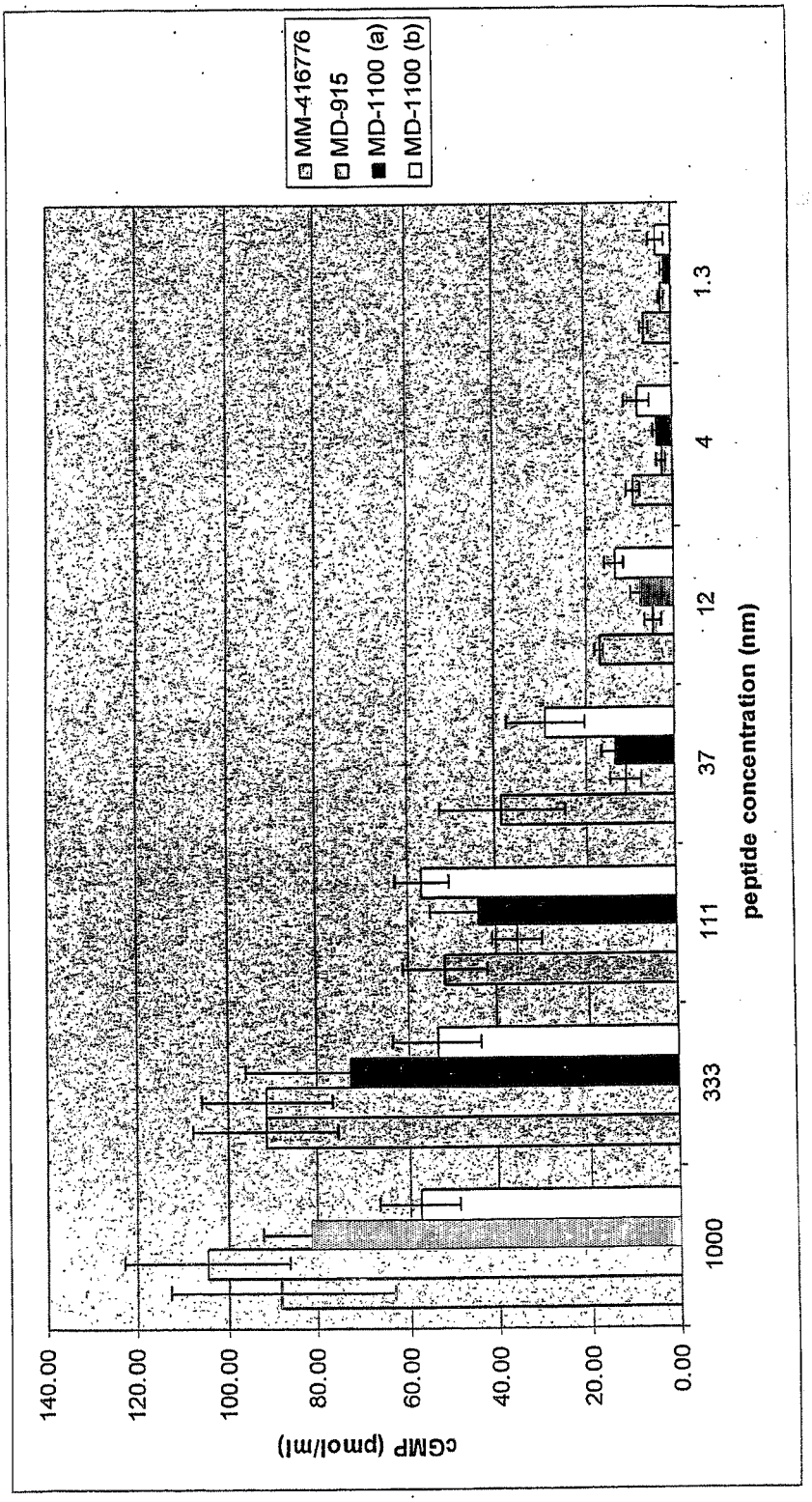


Figure 3a. MM-416776 vs Zelnorm® in an acute Mouse Gastrointestinal Transit Model (GIT)

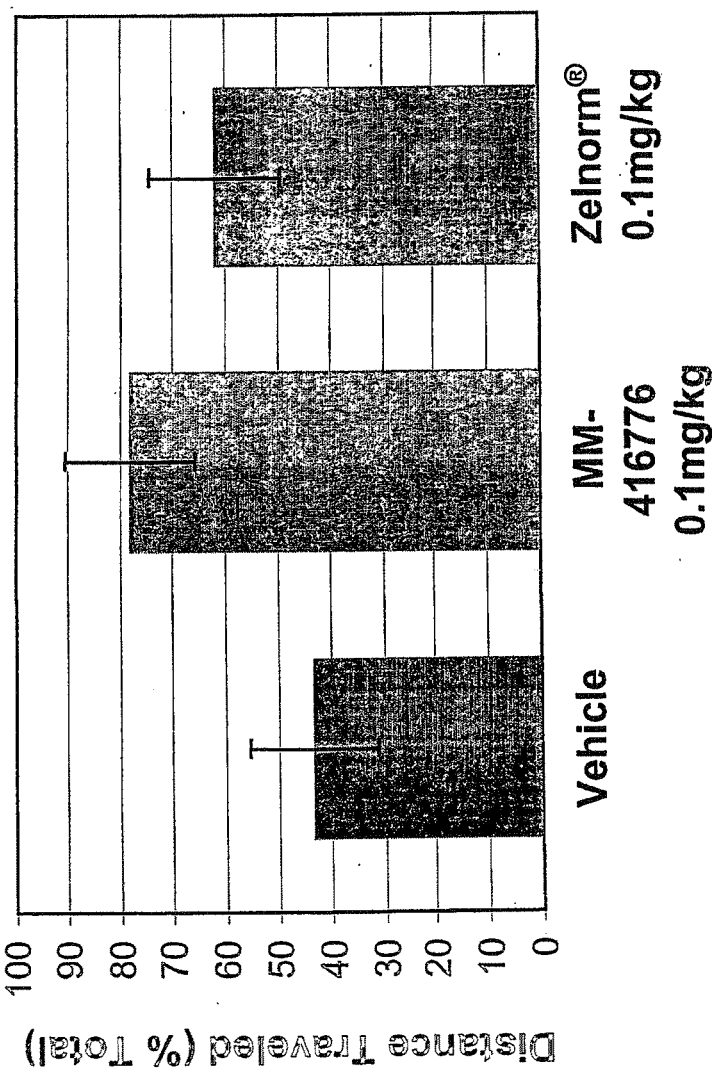
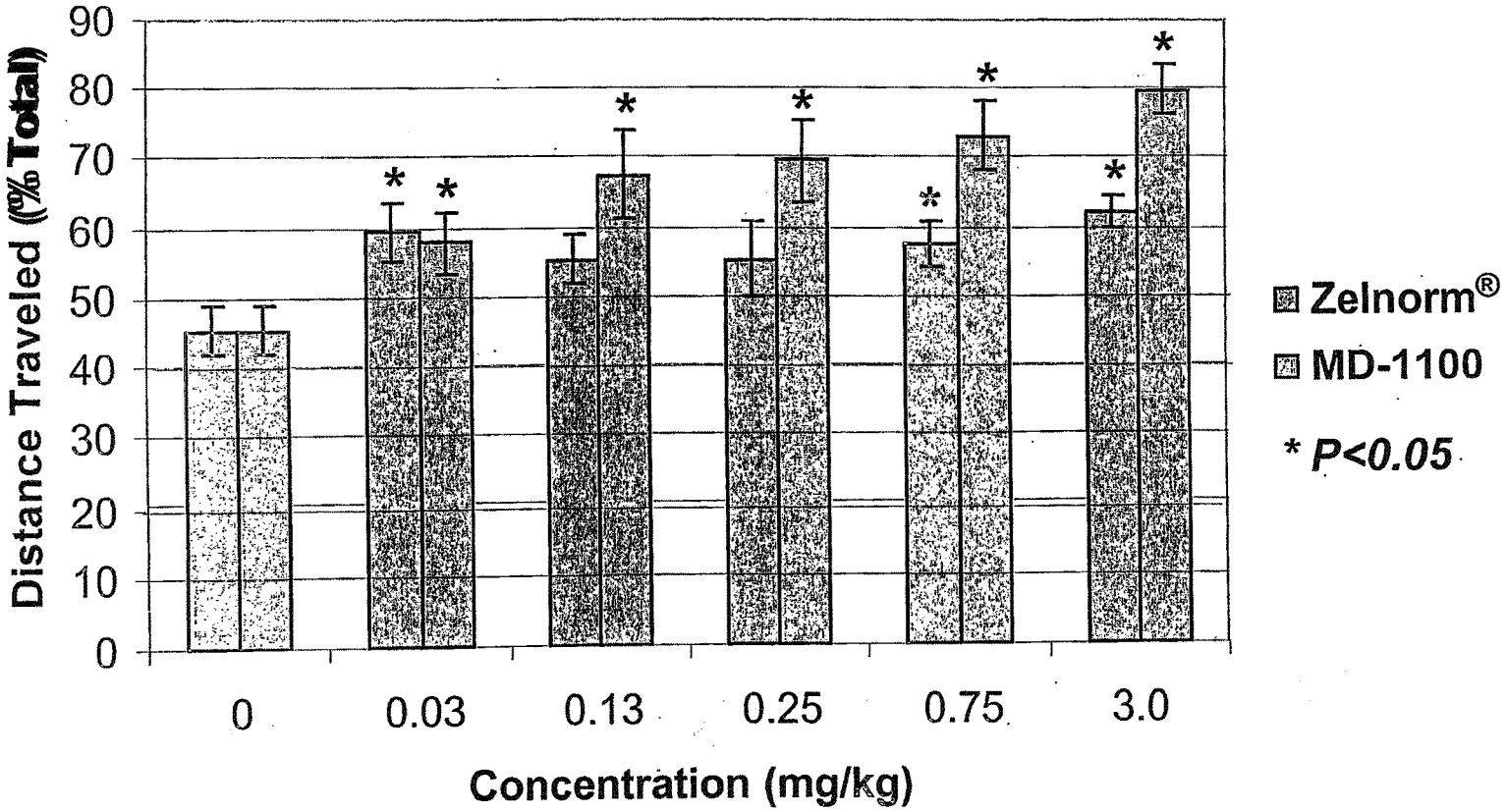


Figure 3b: MD-1100 vs. Zelnorm® in an acute Mouse Gastrointestinal Transit Model



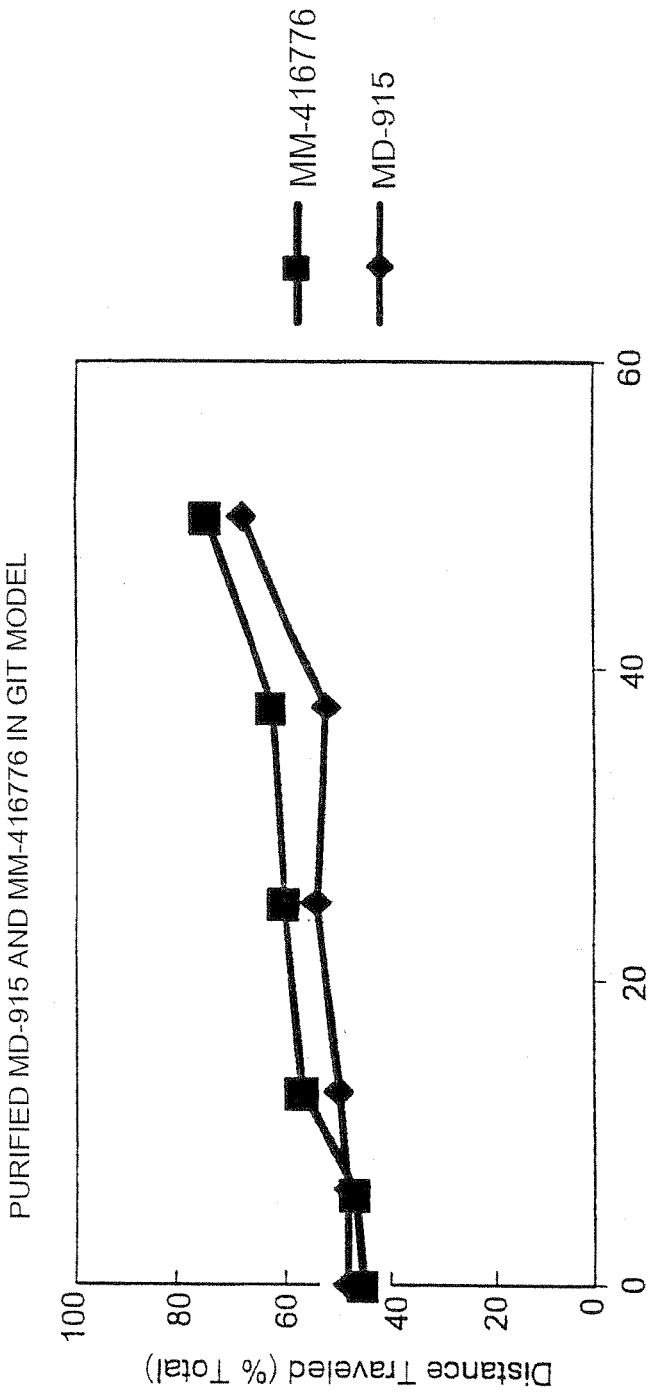

PURIFIED MD-915 AND MM-416776 IN GIT MODEL
MM-416776
MD-915
Distance Traveled (% Total)
100
80
60
40
20
0
0
20
40
60
Dose (x10-3 mg/kg)

FIG. 4A

Figure 4b. Chemically Synthesized Peptides in GIT Model

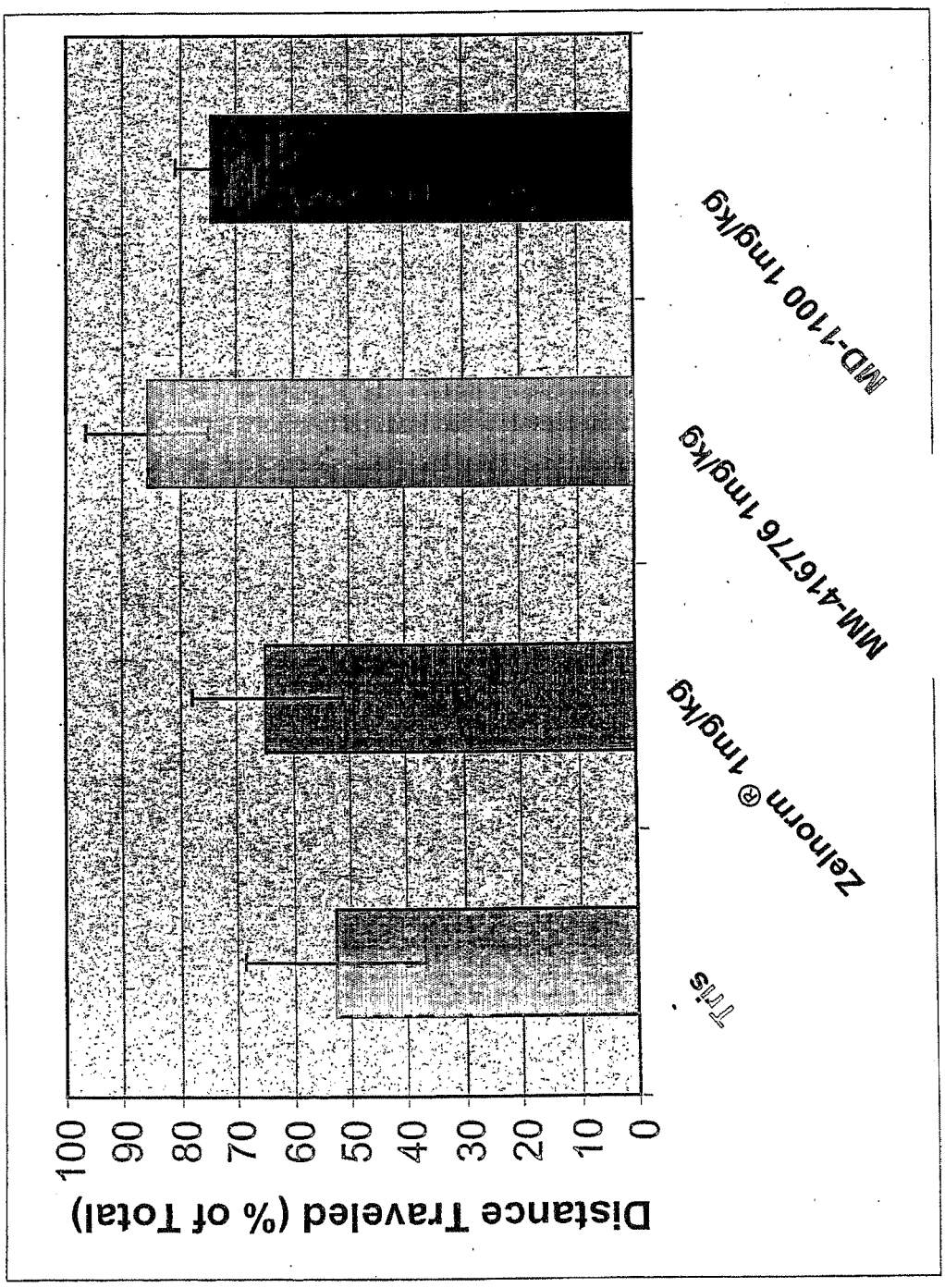
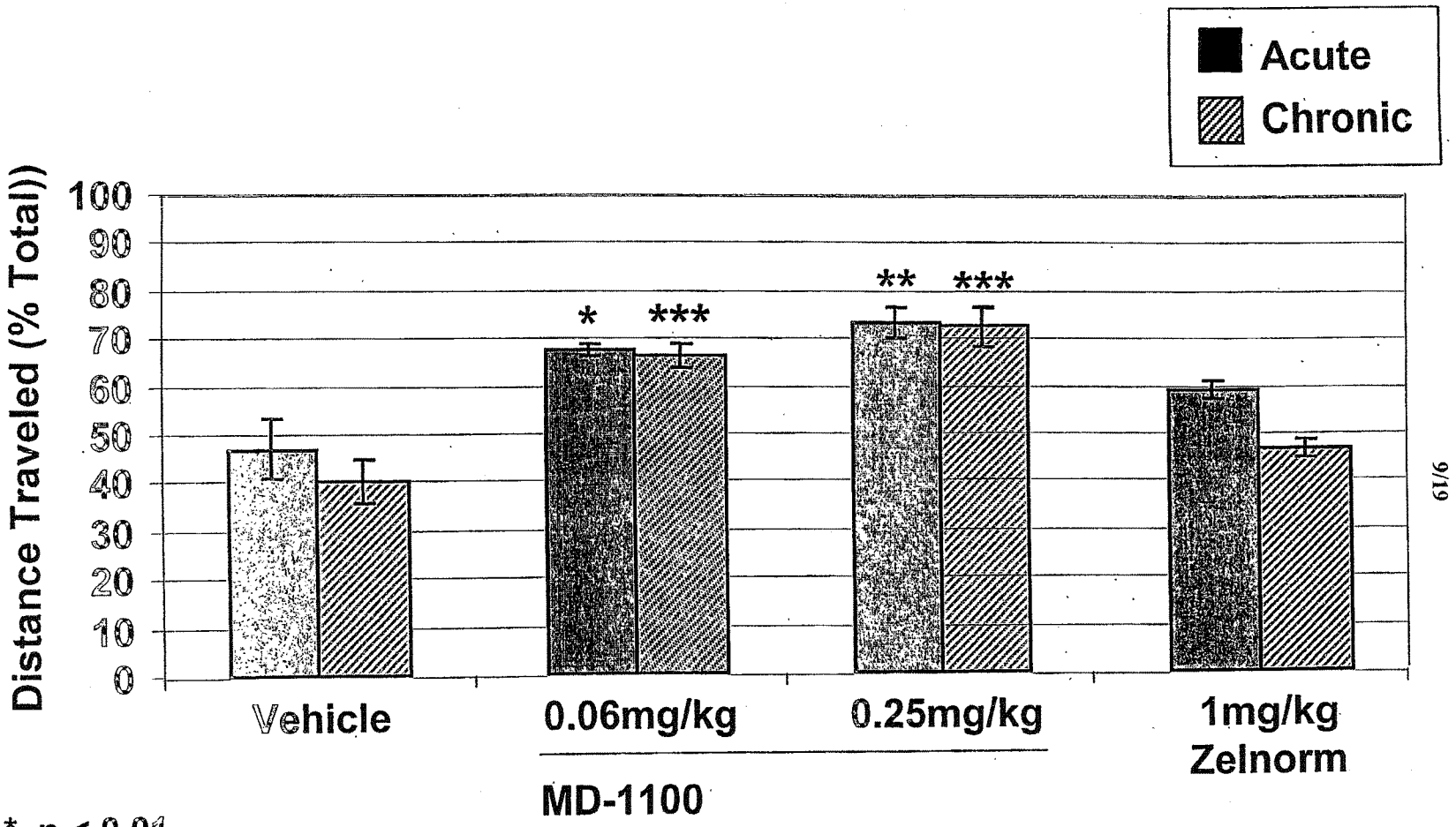


Figure 4c. Chronic vs. Acute Dosing in GIT Assay



* p < 0.01
** p < 0.005
*** p < 0.0005

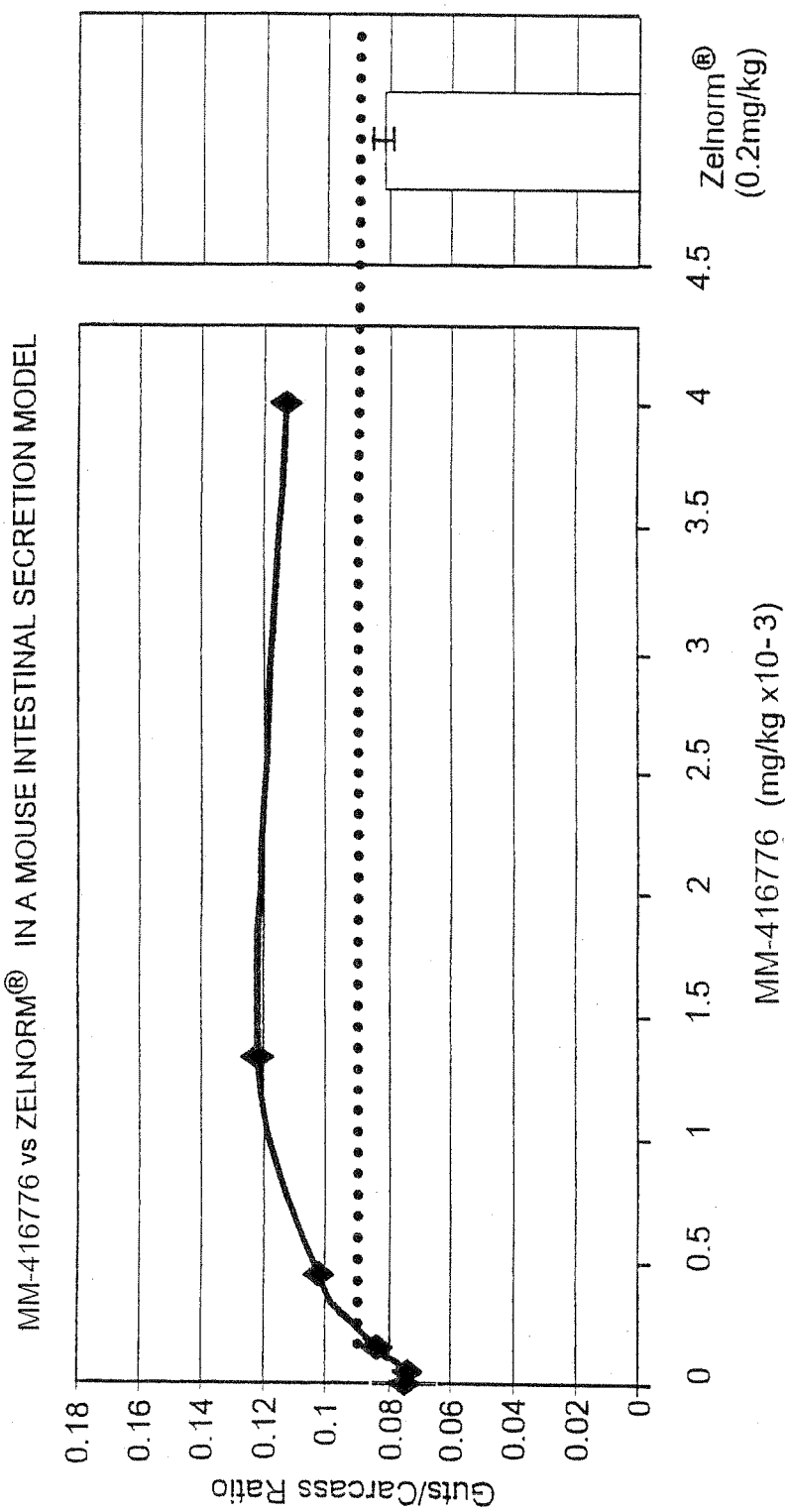

MM-416776 vs ZELNORM® IN A MOUSE INTESTINAL SECRETION MODEL
Guts/Carcass Ratio
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
MM-416776 (mg/kg x10-3)
Zelnorm®
(0.2mg/kg)

FIG. 5A

Figure 5b: MD-1100 vs Zelnorm® in Mouse Intestinal Secretion Model

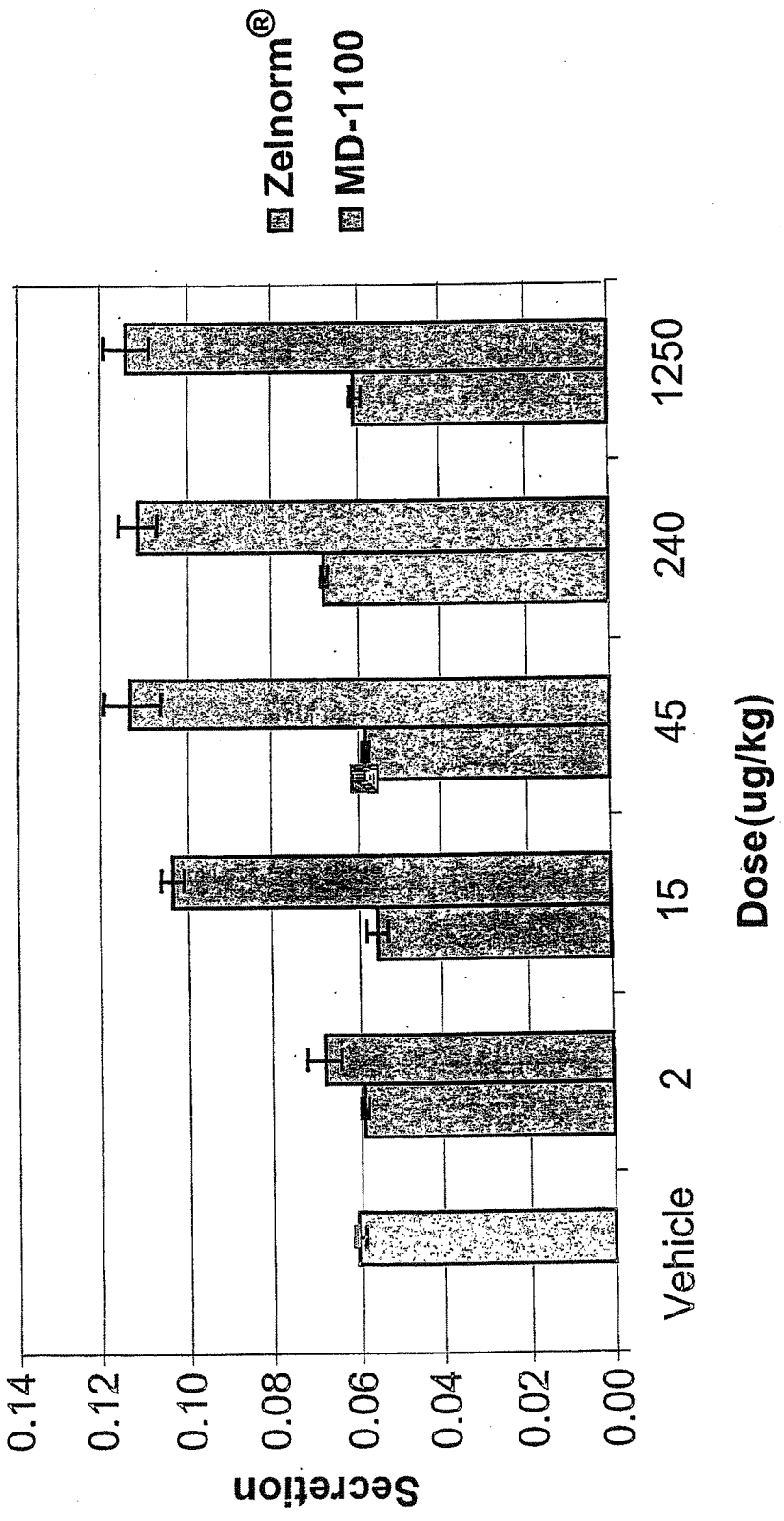


Figure 6a. Recombinantly generated MD-915 and MM-416776 in Mouse Intestinal Secretion Model

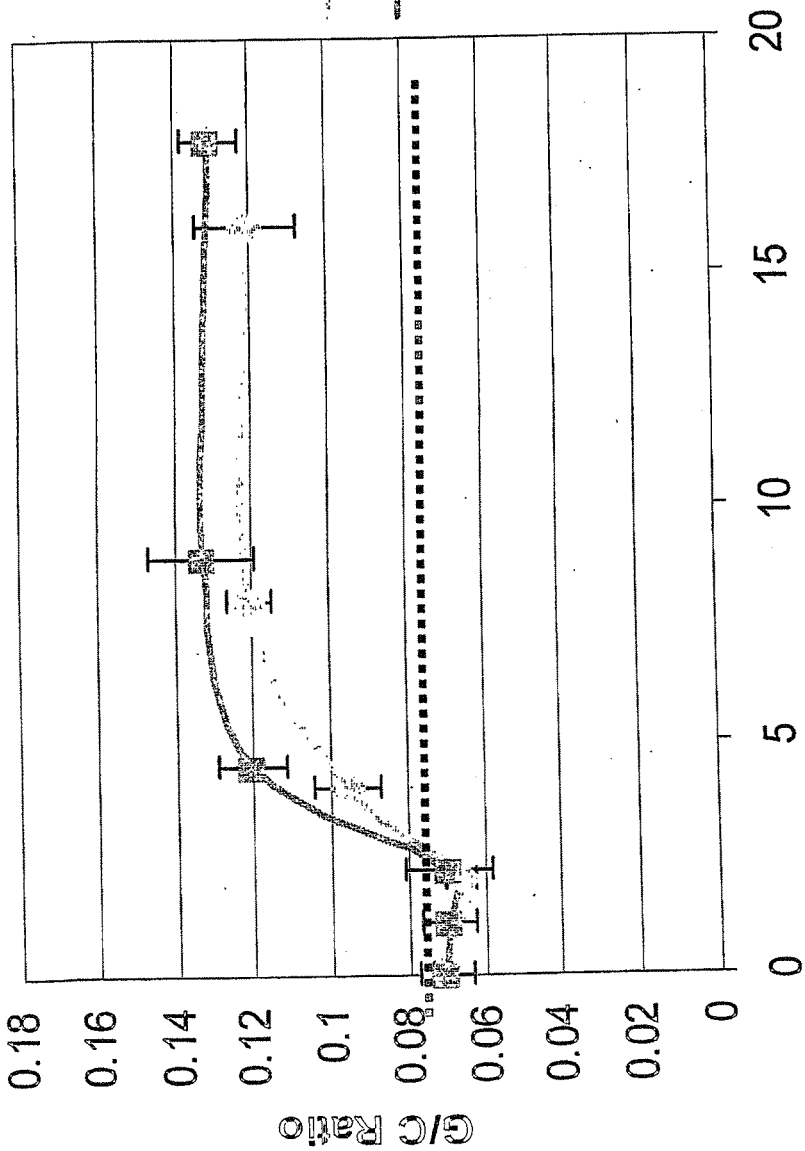


Figure 6b. Chemically synthesized peptides in Mouse Intestinal Secretion Model

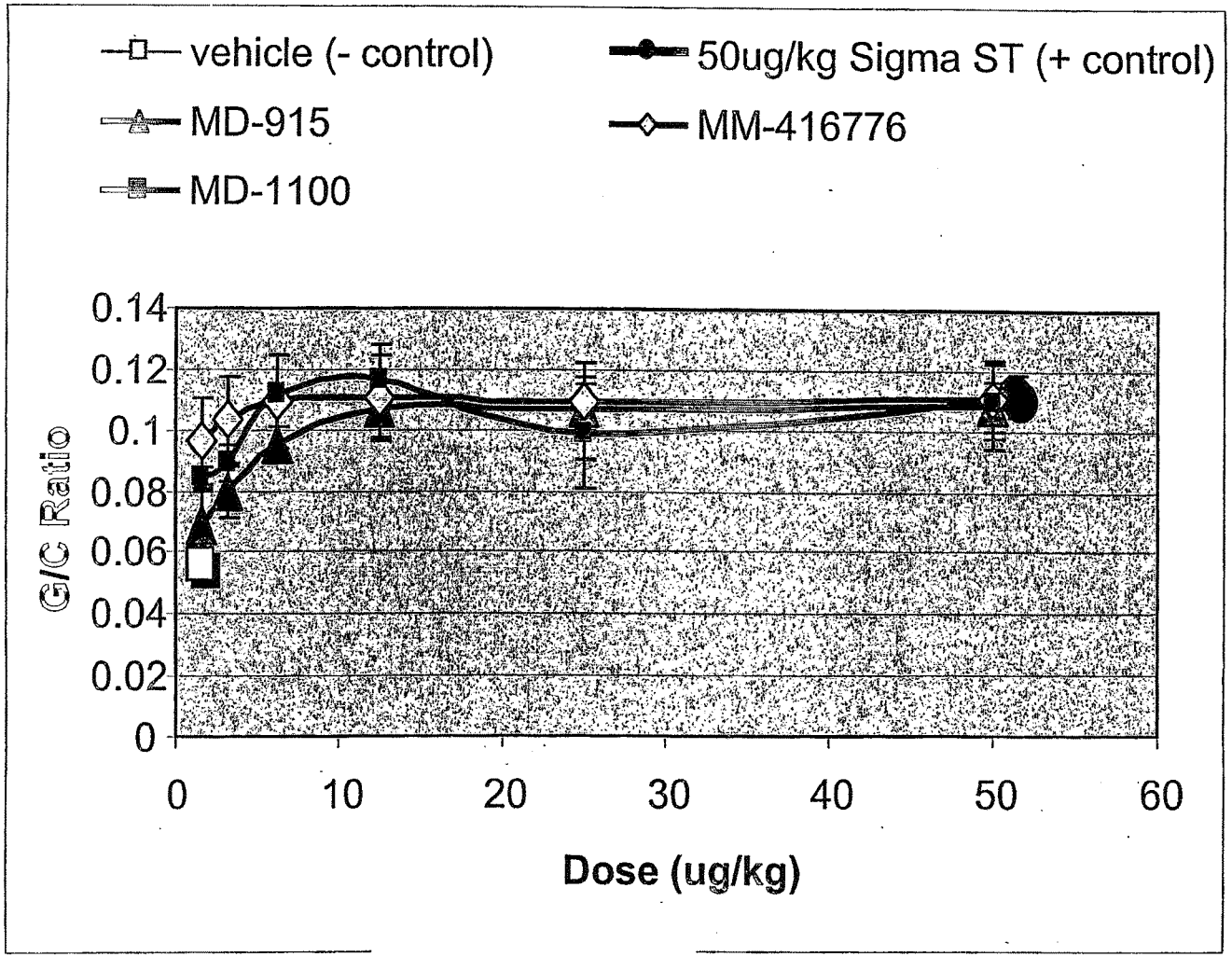
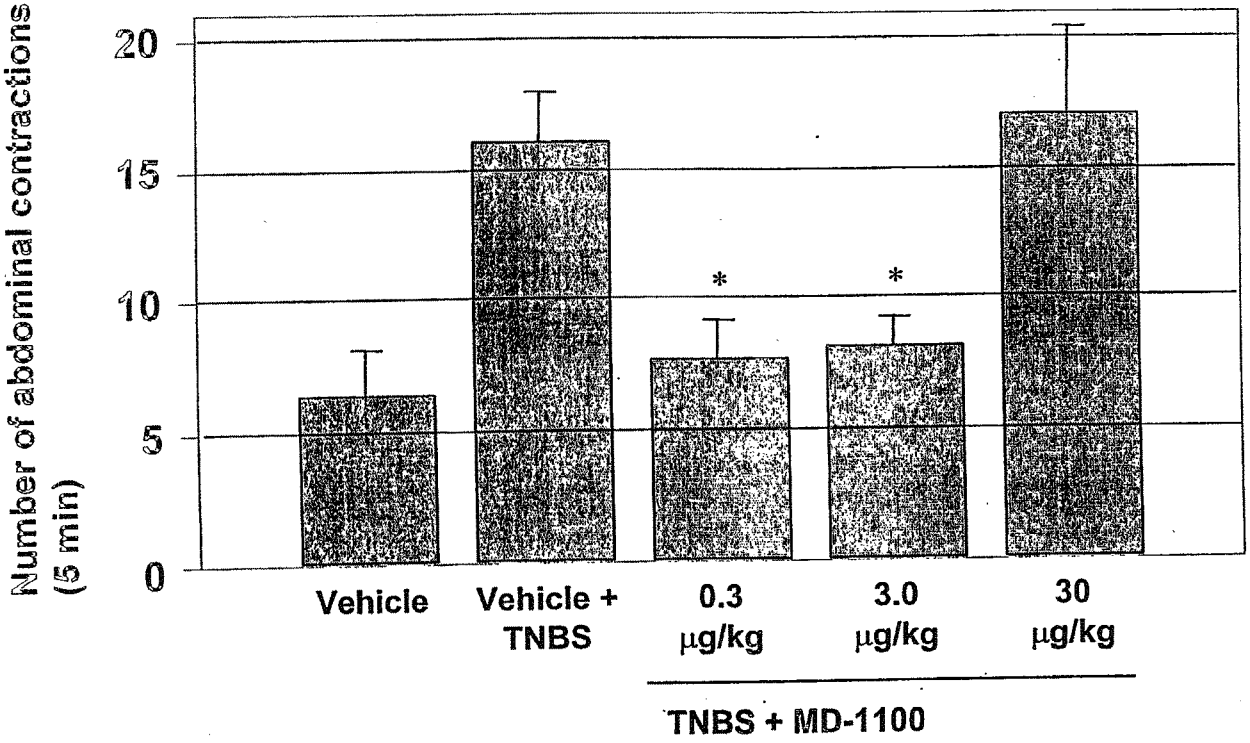


Figure 7: Effect of MD-1100 on pain in a rat TNBS Colorectal Distention Assay



* p<0.05 as compared to "vehicle" value

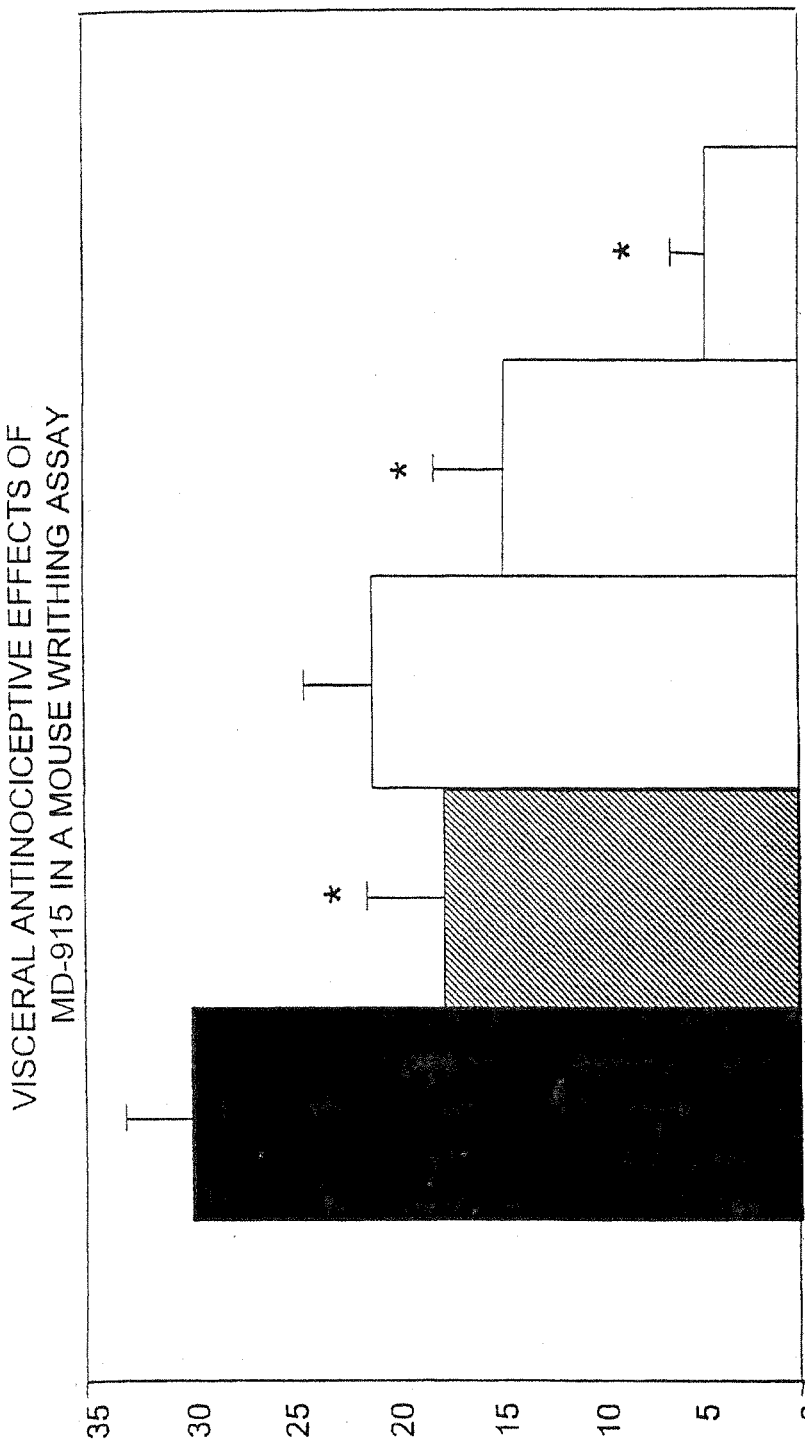

VISCERAL ANTINOCICEPTIVE EFFECTS OF
MD-915 IN A MOUSE WRITHING ASSAY
Number of writhings
35
30
25
20
15
10
5
0
*
*
*
Vehicle
1 µg/kg
0.3 mg/kg
1 mg/kg
3 mg/kg
MD-915
Indomethacin

FIG. 8A

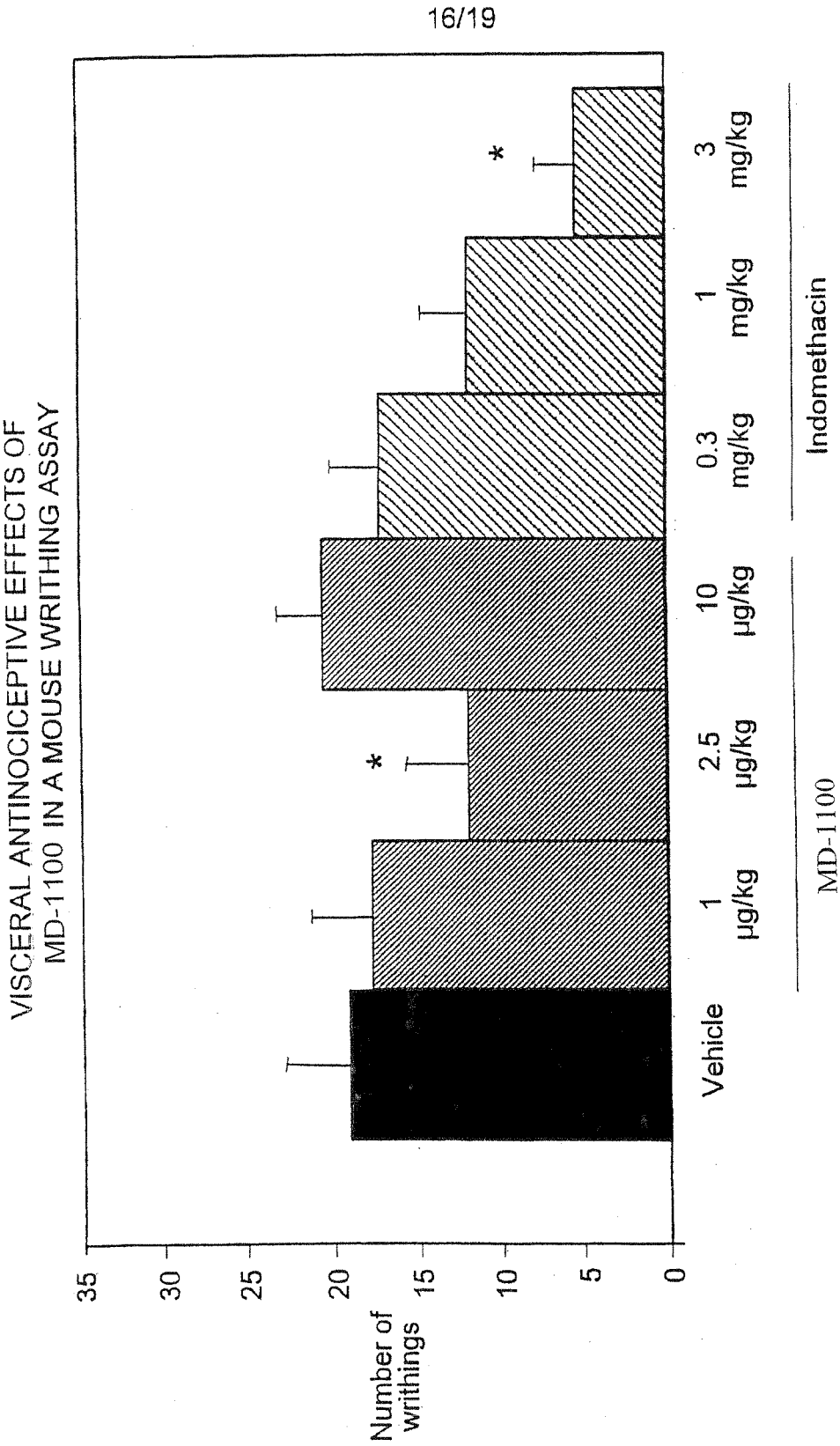

VISCERAL ANTINOCICEPTIVE EFFECTS OF
MD-1100 IN A MOUSE WRITHING ASSAY
Number of writhings
35
30
25
20
15
10
5
0
*
*
Vehicle
1 µg/kg
2.5 µg/kg
10 µg/kg
0.3 mg/kg
1 mg/kg
3 mg/kg
MD-1100
Indomethacin

FIG. 8B

Figure 9: Competitive Radioligand Binding of MD-1100

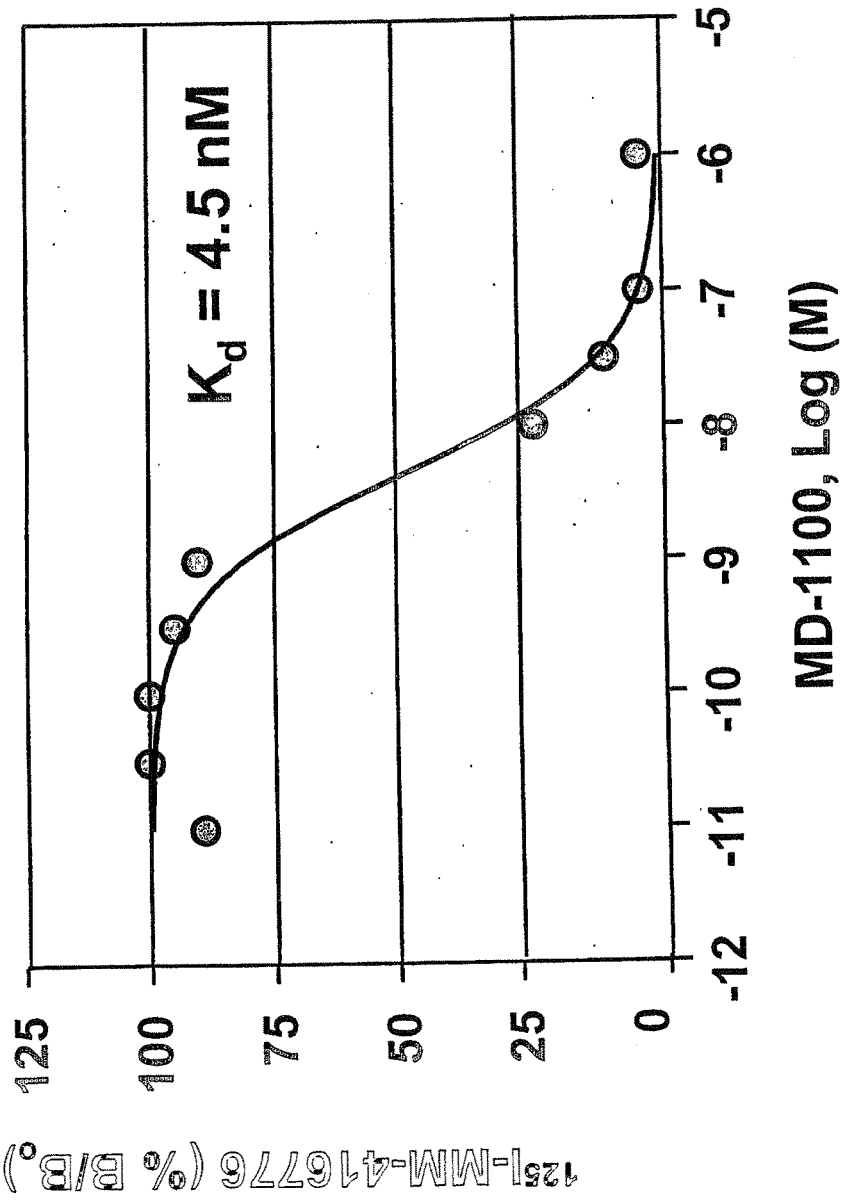
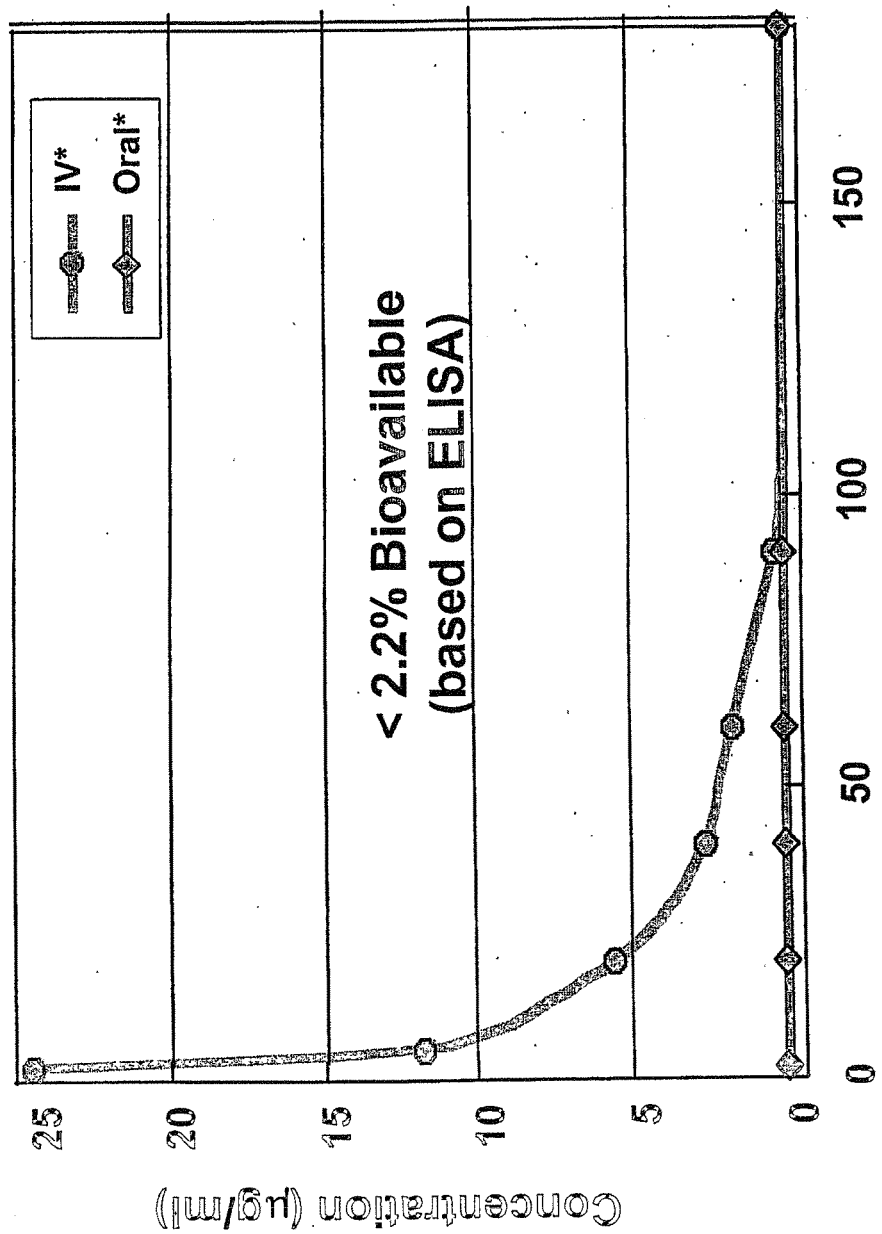
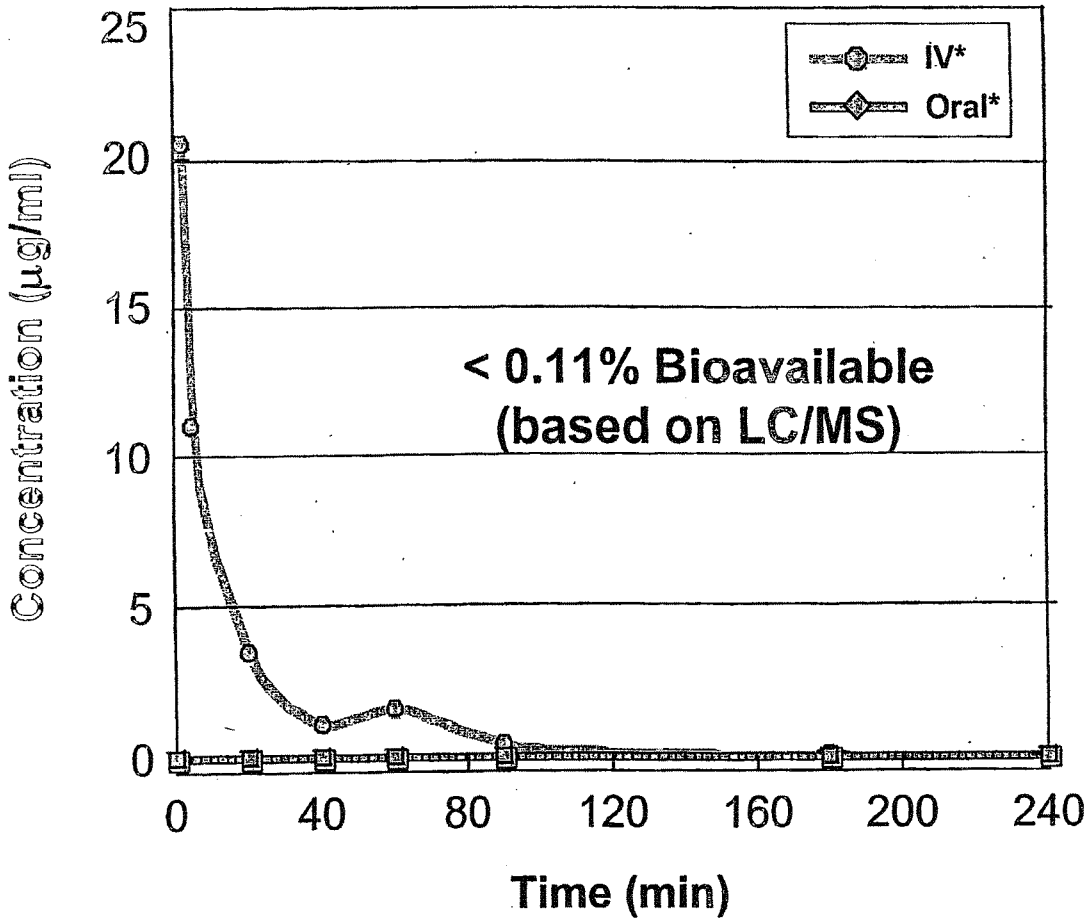


Figure 10a: Minimum Systemic Absorption of MD-1100 (based on ELISA)



* Limit of detection 0.061 µg/ml (40 nM)
Dosing at 10 mg/kg

Figure 10b: Minimum Systemic Absorption of MD-1100 (based on LC/MS)



- Limit of detection 0.00063 µg/mL (0.6 nM)
- Dosing at 10 mg/kg

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Thr Leu Glu Thr Lys Lys Cys Asp Val Val Lys Asn Asn Ser Glu Lys
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            20   25   30
Thr Leu Glu Ser Lys Lys Cys Asn Ile Ala Lys Lys Ser Asn Lys Ser
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            20   25   30
Thr Pro Ile Thr Ala Glu Val Tyr Lys Gln Ala Cys Asp Pro Pro Leu
        35   40   45
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            20                  25                  30
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        35                  40                  45
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        35                  40                  45
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 1   5   10

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 1   5   10

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1 5 10

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 1   5   10   15
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            20

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 1   5   10   15
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 1   5   10   15
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            20

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 1   5   10   15
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            20

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 1   5   10   15

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1 5 10 15

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<210> 53
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<212> PRT
<213> Artificial Sequence

<220>
<223> Syntheticaly generated peptide

<400> 53
Asn Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr Asp
1 5 10 15
Phe

<210> 54
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Syntheticaly generated peptide

<400> 54
Asn Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Trp Gly Cys Tyr Asp
 1   5   10   15
Phe

<210> 55
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Syntheticaly generated peptide

<400> 55
Asn Cys Cys Glu Phe Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr Asp
 1   5   10   15
Phe

<210> 56
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Syntheticaly generated peptide

<400> 56
Asn Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr Asp
 1   5   10   15
Phe

<210> 57
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Syntheticaly generated peptide

<400> 57
Asn Cys Cys Glu Trp Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr Asp
 1   5   10   15
Phe

<210> 58
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Syntheticaly generated peptide

<400> 58
Asn Cys Cys Glu Arg Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr Asp
 1   5   10   15
Phe

<210> 59
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Syntheticaly generated peptide

<400> 59
Asn Cys Cys Glu Lys Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr Asp
 1   5   10   15
Phe

<210> 60
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated oligonucleotide

<400> 60
cacaccatat gaagaaatca atattattta tttttctttc tg
42

<210> 61
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated oligonucleotide

<400> 61
cacacctcga gttaggtctc catgctttca ggaccacttt tattac
46

<210> 62
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated oligonucleotide

<400> 62
gcatgaatag tagcaattac tgctgtgaat tgtgttgtaa tcctgcttgt accgggtgct
60
attaataac
69

<210> 63
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated oligonucleotide

<400> 63
tcgagttatt aatagcaccc ggtacaagca ggattacaac acaattcaca gcagtaattg
60
ctactattc
69

<210> 64
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated oligonucleotide

<400> 64
gcatgaatag tagcaattac tgctgtgaat attgttgtaa tcctgcttgt accgggtgct
60
attaataac
69

<210> 65
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated oligonucleotide

<400> 65
tcgagttatt aatagcaccc ggtacaagca ggattacaac aatattcaca gcagtaattg
60
ctactattc
69

<210> 66
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<220>
<221> VARIANT
<222> 9
<223> Xaa = any amino acid; or Xaa = any amino acid
other than Leu; or Xaa = Phe, Trp, and Tyr; or
selected from from any other natural or
non-natural aromatic amino acid; or Xaa = Tyr

<220>
<221> VARIANT
<222> 1, 2, 3, 4, 5
<223> Xaa1 = Asn, Xaa2 = Ser, Xaa3 = Ser, Xaa4 = Asn,
Xaa5 = Tyr; or Xaa1-Xaa5 is missing; or Xaa1-Xaa4
is missing; or Xaa1 -Xaa3 is missing; or Xaa1 and
Xaa2 is missing; or Xaa1 is missing

<220>
<221> VARIANT
<222> 19, 20, 21
<223> Xaa 20 = Asp, Xaa21 = Phe or missing; or Xaa20 =
Asn or Glu and Xaa21 is missing; or X19-Xaa21 is
missing

<400> 66
Xaa Xaa Xaa Xaa Xaa Cys Cys Glu Xaa Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr Xaa Xaa
20

<210> 67
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 67
Gln Ser Ser Asn Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 68
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 68
Asn Thr Ser Asn Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 69
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 69

Asn Leu Ser Asn Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 70
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 70
Asn Ile Ser Asn Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 71
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 71
Asn Ser Ser Gln Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 72
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 72
Ser Ser Asn Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr Gly
1 5 10 15
Cys Tyr

<210> 73
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 73
Gln Ser Ser Gln Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr
1 5 10 15

Gly Cys Tyr

<210> 74
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 74
Ser Ser Gln Tyr Cys Cys Glu Tyr Cys Cys Asn Pro Ala Cys Thr Gly
1 5 10 15
Cys Tyr

<210> 75
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 75
Asn Ser Ser Asn Tyr Cys Cys Glu Ala Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 76
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 76
Asn Ser Ser Asn Tyr Cys Cys Glu Arg Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 77
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 77
Asn Ser Ser Asn Tyr Cys Cys Glu Asn Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 78
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 78
Asn Ser Ser Asn Tyr Cys Cys Glu Asp Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 79
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 79
Asn Ser Ser Asn Tyr Cys Cys Glu Cys Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 80
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 80
Asn Ser Ser Asn Tyr Cys Cys Glu Gln Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 81
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 81
Asn Ser Ser Asn Tyr Cys Cys Glu Glu Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys Tyr

<210> 82

<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 82
Asn Ser Ser Asn Tyr Cys Cys Glu Gly Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 83
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 83
Asn Ser Ser Asn Tyr Cys Cys Glu His Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 84
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 84
Asn Ser Ser Asn Tyr Cys Cys Glu Ile Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 85
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 85
Asn Ser Ser Asn Tyr Cys Cys Glu Lys Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 86
<211> 19
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 86
Asn Ser Ser Asn Tyr Cys Cys Glu Met Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 87
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 87
Asn Ser Ser Asn Tyr Cys Cys Glu Phe Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 88
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 88
Asn Ser Ser Asn Tyr Cys Cys Glu Pro Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 89
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 89
Asn Ser Ser Asn Tyr Cys Cys Glu Ser Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 90
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 90
Asn Ser Ser Asn Tyr Cys Cys Glu Thr Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 91
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 91
Asn Ser Ser Asn Tyr Cys Cys Glu Trp Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 92
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 92
Asn Ser Ser Asn Tyr Cys Cys Glu Val Cys Cys Asn Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 93
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 93
Cys Cys Glu Ala Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 94
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 94

Cys Cys Glu Arg Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 95
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 95
Cys Cys Glu Asn Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 96
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 96
Cys Cys Glu Asp Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 97
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 97
Cys Cys Glu Cys Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 98
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 98
Cys Cys Glu Gln Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 99
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 99
Cys Cys Glu Glu Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 100
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 100
Cys Cys Glu Gly Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 101
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 101
Cys Cys Glu His Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 102
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 102
Cys Cys Glu Ile Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 103
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 103
Cys Cys Glu Lys Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 104
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 104
Cys Cys Glu Met Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 105
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 105
Cys Cys Glu Phe Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 106
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 106
Cys Cys Glu Pro Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 107
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 107
Cys Cys Glu Ser Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 108
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 108
Cys Cys Glu Thr Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 109
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 109
Cys Cys Glu Trp Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 110
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 110
Cys Cys Glu Val Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 111
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 111
Gln His Asn Pro Arg
 1   5

<210> 112
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 112
Val Gln His Asn Pro Arg
 1   5

<210> 113
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 113
Val Arg Gln His Asn Pro Arg
 1   5

<210> 114

<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 114
Val Arg Gly Gln His Asn Pro Arg
 1   5

<210> 115
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 115
Val Arg Gly Pro Gln His Asn Pro Arg
 1   5

<210> 116
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 116
Val Arg Gly Pro Arg Gln His Asn Pro Arg
 1   5   10

<210> 117
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 117
Val Arg Gly Pro Arg Arg Gln His Asn Pro Arg
 1   5   10

<210> 118
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 118
Arg Gln His Asn Pro Arg
 1   5

<210> 119
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<220>
<221> VARIANT
<222> 1, 2, 3, 4, 5, 8, 9, 12, 13, 14, 17, 19
<223> Xaa = any amino acid

<400> 119
Xaa Xaa Xaa Xaa Xaa Cys Cys Xaa Xaa Cys Cys Xaa Xaa Xaa Cys Xaa
 1   5   10   15
Xaa Cys Xaa Xaa Xaa
            20

<210> 120
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<220>
<221> VARIANT
<222> 1, 2, 3, 4, 5
<223> Xaa1 = Asn, Xaa2 = Ser, Xaa3 = Ser, Xaa4 = Asn,
      Xaa5 = Tyr or missing; or Xaa1- Xaa4 is missing
      and Xaa5 = Asn

<220>
<221> VARIANT
<222> 8
<223> Xaa = Glu or Asp

<220>
<221> VARIANT
<222> 9
<223> Xaa = Leu, Ile, Val, Trp, Tyr or Phe

<220>
<221> VARIANT
<222> 16
<223> Xaa = Thr, Ala, or Trp

<220>
<221> VARIANT
<222> 19
<223> Xaa = Trp, Tyr, Or Leu or is missing

<400> 120
Xaa Xaa Xaa Xaa Xaa Cys Cys Xaa Xaa Cys Cys Asn Pro Ala Cys Xaa

```
 1               5                   10                  15
Gly Cys Xaa Asp Phe
            20
```

<210> 121
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 121
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Asn Ser Ser Asn Tyr
 1               5
```

<210> 122
<211> 30
<212> PRT
<213> Yersinia enterocolitica

<400> 122
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Gln Ala Cys Asp Pro Pro Leu Pro Pro Ala Glu Val Ser Ser Asp Trp
 1               5                   10                  15
Asp Cys Cys Asp Val Cys Cys Asn Pro Ala Cys Ala Gly Cys
            20                  25                  30
```

<210> 123
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 123
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Lys Lys Lys Lys Lys Lys
 1               5
```

<210> 124
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 124
```
Asp Lys Lys Lys Lys Lys Lys
 1               5
```

<210> 125
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetically generated peptide

<220>
<221> VARIANT
<222> 4
<223> Xaa = Phe, Trp or Tyr

<400> 125
Cys Cys Glu Xaa Cys Cys Asn Pro Ala Cys Thr Gly Cys
 1   5   10

<210> 126
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<220>
<221> VARIANT
<222> 4
<223> Xaa = Phe, Trp or Tyr

<400> 126
Cys Cys Glu Xaa Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
 1   5   10