<110> HysensBio

<120> ORAL CARE COMPOSITION FOR ALLEVIATING DENTINE HYPERESTHESIA

<130> LP18122PCT

<150> KR 20180053012
<151> 2018-05-09

<160> 104

<170> KopatentIn 2.0

<210> 1
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 1
Lys Tyr Gln Arg Arg Lys Lys Asn Lys Tyr
1 5 10

<210> 2
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 2
Lys Tyr Gln Arg Arg Lys Arg Asn Lys Tyr
1 5 10

<210> 3
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 3
Lys Tyr Gln Arg Arg Arg Lys Asn Lys Tyr
1 5 10

<210> 4
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 4
Lys Tyr Gln Arg Arg Arg Arg Asn Lys Tyr
  1   5   10

<210> 5
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 5
Lys Tyr Gln Arg Lys Lys Lys Asn Lys Tyr
  1   5   10

<210> 6
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 6
Lys Tyr Gln Arg Lys Arg Lys Asn Lys Tyr
  1   5   10

<210> 7
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 7
Lys Tyr Gln Arg Lys Lys Arg Asn Lys Tyr

1 5 10

<210> 8
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 8
Lys Tyr Gln Arg Lys Arg Arg Asn Lys Tyr
1 5 10

<210> 9
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 9
Lys Tyr Gln Arg Arg Lys Lys Ser Lys Tyr
1 5 10

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

<220>
<223> Novel peptide

<400> 10
Lys Tyr Gln Arg Arg Lys Arg Ser Lys Tyr
1 5 10

<210> 11
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 11
Lys Tyr Gln Arg Arg Arg Lys Ser Lys Tyr
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 12
Lys Tyr Gln Arg Arg Arg Arg Ser Lys Tyr
1 5 10

<210> 13
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 13
Lys Tyr Gln Arg Lys Lys Lys Ser Lys Tyr
1 5 10

<210> 14
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 14
Lys Tyr Gln Arg Lys Arg Lys Ser Lys Tyr
1 5 10

<210> 15
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 15
Lys Tyr Gln Arg Lys Lys Arg Ser Lys Tyr
1 5 10

<210> 16
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 16
Lys Tyr Gln Arg Lys Arg Arg Ser Lys Tyr
1 5 10

<210> 17
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 17
Lys Tyr Gln Arg Arg Lys Lys Asn Tyr Lys
1 5 10

<210> 18
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 18
Lys Tyr Gln Arg Arg Lys Arg Asn Tyr Lys
1 5 10

<210> 19
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 19
Lys Tyr Gln Arg Arg Arg Lys Asn Tyr Lys
 1   5   10

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 20
Lys Tyr Gln Arg Arg Arg Arg Asn Tyr Lys
 1   5   10

<210> 21
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 21
Lys Tyr Gln Arg Lys Lys Lys Asn Tyr Lys
 1   5   10

<210> 22
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 22
Lys Tyr Gln Arg Lys Arg Lys Asn Tyr Lys
 1   5   10

<210> 23
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 23
Lys Tyr Gln Arg Lys Lys Arg Asn Tyr Lys
1 5 10

<210> 24
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 24
Lys Tyr Gln Arg Lys Arg Arg Asn Tyr Lys
1 5 10

<210> 25
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 25
Lys Tyr Gln Arg Arg Lys Lys Ser Tyr Lys
1 5 10

<210> 26
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 26
Lys Tyr Gln Arg Arg Lys Arg Ser Tyr Lys
1 5 10

<210> 27

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

<220>
<223> Novel peptide

<400> 27
Lys Tyr Gln Arg Arg Arg Lys Ser Tyr Lys
 1   5   10

<210> 28
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 28
Lys Tyr Gln Arg Arg Arg Arg Ser Tyr Lys
 1   5   10

<210> 29
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 29
Lys Tyr Gln Arg Lys Lys Lys Ser Tyr Lys
 1   5   10

<210> 30
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 30
Lys Tyr Gln Arg Lys Arg Lys Ser Tyr Lys
 1   5   10

<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 31
Lys Tyr Gln Arg Lys Lys Arg Ser Tyr Lys
  1   5   10

<210> 32
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 32
Lys Tyr Gln Arg Lys Arg Arg Ser Tyr Lys
  1   5   10

<210> 33
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 33
Lys Tyr Arg Gln Arg Lys Lys Asn Lys Tyr
  1   5   10

<210> 34
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 34
Lys Tyr Arg Gln Arg Lys Arg Asn Lys Tyr

1 5 10

<210> 35
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 35
Lys Tyr Arg Gln Arg Arg Lys Asn Lys Tyr
1 5 10

<210> 36
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 36
Lys Tyr Arg Gln Arg Arg Arg Asn Lys Tyr
1 5 10

<210> 37
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 37
Lys Tyr Arg Gln Lys Lys Lys Asn Lys Tyr
1 5 10

<210> 38
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 38
Lys Tyr Arg Gln Lys Arg Lys Asn Lys Tyr
1 5 10

<210> 39
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 39
Lys Tyr Arg Gln Lys Lys Arg Asn Lys Tyr
1 5 10

<210> 40
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 40
Lys Tyr Arg Gln Lys Arg Arg Asn Lys Tyr
1 5 10

<210> 41
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 41
Lys Tyr Arg Gln Arg Lys Lys Ser Lys Tyr
1 5 10

<210> 42
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 42
Lys Tyr Arg Gln Arg Lys Arg Ser Lys Tyr
1 5 10

<210> 43
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 43
Lys Tyr Arg Gln Arg Arg Lys Ser Lys Tyr
1 5 10

<210> 44
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 44
Lys Tyr Arg Gln Arg Arg Arg Ser Lys Tyr
1 5 10

<210> 45
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 45
Lys Tyr Arg Gln Lys Lys Lys Ser Lys Tyr
1 5 10

<210> 46
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 46
Lys Tyr Arg Gln Lys Arg Lys Ser Lys Tyr
 1   5   10

<210> 47
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 47
Lys Tyr Arg Gln Lys Lys Arg Ser Lys Tyr
 1   5   10

<210> 48
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 48
Lys Tyr Arg Gln Lys Arg Arg Ser Lys Tyr
 1   5   10

<210> 49
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 49
Lys Tyr Arg Gln Arg Lys Lys Asn Tyr Lys
 1   5   10

<210> 50
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 50
Lys Tyr Arg Gln Arg Lys Arg Asn Tyr Lys
  1   5   10

<210> 51
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 51
Lys Tyr Arg Gln Arg Arg Lys Asn Tyr Lys
  1   5   10

<210> 52
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 52
Lys Tyr Arg Gln Arg Arg Arg Asn Tyr Lys
  1   5   10

<210> 53
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 53
Lys Tyr Arg Gln Lys Lys Lys Asn Tyr Lys
  1   5   10

<210> 54

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

<220>
<223> Novel peptide

<400> 54
Lys Tyr Arg Gln Lys Arg Lys Asn Tyr Lys
 1   5   10

<210> 55
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 55
Lys Tyr Arg Gln Lys Lys Arg Asn Tyr Lys
 1   5   10

<210> 56
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 56
Lys Tyr Arg Gln Lys Arg Arg Asn Tyr Lys
 1   5   10

<210> 57
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 57
Lys Tyr Arg Gln Arg Lys Lys Ser Tyr Lys
 1   5   10

<210>   58
<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Novel peptide

<400>   58
Lys Tyr Arg Gln Arg Lys Arg Ser Tyr Lys
  1   5   10

<210>   59
<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Novel peptide

<400>   59
Lys Tyr Arg Gln Arg Arg Lys Ser Tyr Lys
  1   5   10

<210>   60
<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Novel peptide

<400>   60
Lys Tyr Arg Gln Arg Arg Arg Ser Tyr Lys
  1   5   10

<210>   61
<211>   10
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Novel peptide

<400>   61
Lys Tyr Arg Gln Lys Lys Lys Ser Tyr Lys

1 5 10

<210> 62
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 62
Lys Tyr Arg Gln Lys Arg Lys Ser Tyr Lys
1 5 10

<210> 63
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 63
Lys Tyr Arg Gln Lys Lys Arg Ser Tyr Lys
1 5 10

<210> 64
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 64
Lys Tyr Arg Gln Lys Arg Arg Ser Tyr Lys
1 5 10

<210> 65
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 65
Lys Tyr Lys Gln Arg Lys Lys Asn Lys Tyr
1 5 10

<210> 66
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 66
Lys Tyr Lys Gln Arg Lys Arg Asn Lys Tyr
1 5 10

<210> 67
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 67
Lys Tyr Lys Gln Arg Arg Lys Asn Lys Tyr
1 5 10

<210> 68
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 68
Lys Tyr Lys Gln Arg Arg Arg Asn Lys Tyr
1 5 10

<210> 69
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 69
Lys Tyr Lys Gln Lys Lys Lys Asn Lys Tyr
1 5 10

<210> 70
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 70
Lys Tyr Lys Gln Lys Arg Lys Asn Lys Tyr
1 5 10

<210> 71
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 71
Lys Tyr Lys Gln Lys Lys Arg Asn Lys Tyr
1 5 10

<210> 72
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 72
Lys Tyr Lys Gln Lys Arg Arg Asn Lys Tyr
1 5 10

<210> 73
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 73
Lys Tyr Lys Gln Arg Lys Lys Ser Lys Tyr
 1   5   10

<210> 74
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 74
Lys Tyr Lys Gln Arg Lys Arg Ser Lys Tyr
 1   5   10

<210> 75
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 75
Lys Tyr Lys Gln Arg Arg Lys Ser Lys Tyr
 1   5   10

<210> 76
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 76
Lys Tyr Lys Gln Arg Arg Arg Ser Lys Tyr
 1   5   10

<210> 77
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 77
Lys Tyr Lys Gln Lys Lys Lys Ser Lys Tyr
  1   5   10

<210> 78
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 78
Lys Tyr Lys Gln Lys Arg Lys Ser Lys Tyr
  1   5   10

<210> 79
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 79
Lys Tyr Lys Gln Lys Lys Arg Ser Lys Tyr
  1   5   10

<210> 80
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 80
Lys Tyr Lys Gln Lys Arg Arg Ser Lys Tyr
  1   5   10

<210> 81

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

<220>
<223> Novel peptide

<400> 81
Lys Tyr Lys Gln Arg Lys Lys Asn Tyr Lys
 1   5   10

<210> 82
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 82
Lys Tyr Lys Gln Arg Lys Arg Asn Tyr Lys
 1   5   10

<210> 83
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 83
Lys Tyr Lys Gln Arg Arg Lys Asn Tyr Lys
 1   5   10

<210> 84
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 84
Lys Tyr Lys Gln Arg Arg Arg Asn Tyr Lys
 1   5   10

<210> 85
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 85
Lys Tyr Lys Gln Lys Lys Lys Asn Tyr Lys
  1   5   10

<210> 86
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 86
Lys Tyr Lys Gln Lys Arg Lys Asn Tyr Lys
  1   5   10

<210> 87
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 87
Lys Tyr Lys Gln Lys Lys Arg Asn Tyr Lys
  1   5   10

<210> 88
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 88
Lys Tyr Lys Gln Lys Arg Arg Asn Tyr Lys

1 5 10

<210> 89
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 89
Lys Tyr Lys Gln Arg Lys Lys Ser Tyr Lys
1 5 10

<210> 90
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 90
Lys Tyr Lys Gln Arg Lys Arg Ser Tyr Lys
1 5 10

<210> 91
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 91
Lys Tyr Lys Gln Arg Arg Lys Ser Tyr Lys
1 5 10

<210> 92
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 92
Lys Tyr Lys Gln Arg Arg Arg Ser Tyr Lys
1 5 10

<210> 93
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 93
Lys Tyr Lys Gln Lys Lys Lys Ser Tyr Lys
1 5 10

<210> 94
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 94
Lys Tyr Lys Gln Lys Arg Lys Ser Tyr Lys
1 5 10

<210> 95
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 95
Lys Tyr Lys Gln Lys Lys Arg Ser Tyr Lys
1 5 10

<210> 96
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Novel peptide

<400> 96
Lys Tyr Lys Gln Lys Arg Arg Ser Tyr Lys
1 5 10

<210> 97
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 97
attccggttc cccagttagt a 21

<210> 98
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 98
ctgttgctag tggtgctgtt 20

<210> 99
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 99
aggtcggtgt gaacggattt g 21

<210> 100
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 100
tgtagaccat gtagttgagg tca 23

<210> 101
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 101
cattctcctt gtgttccttt ggg 23

<210> 102
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 102
tgtggtcact atttgcctgt g 21

<210> 103
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 103
ccctgaagtc gaggagctg 19

<210> 104
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 104

ctgctgcacc tctaagcga 19