

Sequence_Listing (1).txt
SEQUENCE LISTING

<110> UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF
HIGHER EDUCATION

<120> CLEAVABLE ACTIVATORS OF CXCR3 AND METHODS OF USE

<130> 8123-101089-02

<150> US 62/748,711

<151> 2018-10-22

<160> 36

<170> PatentIn version 3.5

<210> 1

<211> 22

<212> PRT

<213> Homo sapiens

<400> 1

Pro	Glu	Ser	Lys	Ala	Ile	Lys	Asn	Leu	Leu	Lys	Ala	Val	Ser	Lys	Glu
1				5					10					15	

Arg	Ser	Lys	Arg	Ser	Pro
			20		

<210> 2

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 2

Pro	Glu	Ser	Lys	Ala	Ile	Lys	Asn	Leu	Leu	Lys	Ala	Val	His	Lys	Glu
1				5					10					15	

Met	Ser	Lys	Arg	Ser	Pro
			20		

Sequence_Listing (1).txt

<210> 3
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 3

Glu Ser Lys Ala Ile Lys Asn Leu Leu Lys Ala Val His Lys Glu Met
1 5 10 15

Ser Lys Arg Ser Pro
20

<210> 4
<211> 22
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<220>
<223> Synthetic peptide

<400> 4

Pro Glu Ser Lys Ala Ile Lys Asn Leu Leu Lys Ala Val His Lys Glu
1 5 10 15

Arg Ser Lys Arg Ser Pro
20

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<211> 21
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<220>
<223> Synthetic peptide

<400> 5

Glu Ser Lys Ala Ile Lys Asn Leu Leu Lys Ala Val His Lys Glu Arg

Sequence_Listing (1).txt

1 5 10 15

Ser Lys Arg Ser Pro
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<210> 6
<211> 22
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<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 6

Pro Glu Ser Lys Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Glu Val
1 5 10 15

Leu Ser Lys Arg Ser Pro
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<210> 7
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<220>
<223> Synthetic peptide

<400> 7

Pro Glu Ser Phe Ile Arg Trp Asn Leu Leu Lys Ala Val Ser Lys Glu
1 5 10 15

Met Ser Lys Arg Ser Pro
20

<210> 8
<211> 98
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<213> Homo sapiens

Sequence_Listing (1).txt

<400> 8

Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
1 5 10 15

Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
20 25 30

Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
35 40 45

Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
50 55 60

Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
65 70 75 80

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

Ser Pro

<210> 9

<211> 101

<212> PRT

<213> Homo sapiens

<400> 9

Met Ser Ser Ala Ala Gly Phe Cys Ala Ser Arg Pro Gly Leu Leu Phe
1 5 10 15

Leu Gly Leu Leu Leu Leu Pro Leu Val Val Ala Phe Ala Ser Ala Glu
20 25 30

Ala Glu Glu Asp Gly Asp Leu Gln Cys Leu Cys Val Lys Thr Thr Ser
35 40 45

Sequence_Listing (1).txt

Gln Val Arg Pro Arg His Ile Thr Ser Leu Glu Val Ile Lys Ala Gly
50 55 60

Pro His Cys Pro Thr Ala Gln Leu Ile Ala Thr Leu Lys Asn Gly Arg
65 70 75 80

Lys Ile Cys Leu Asp Leu Gln Ala Pro Leu Tyr Lys Lys Ile Ile Lys
85 90 95

Lys Leu Leu Glu Ser
100

<210> 10
<211> 125
<212> PRT
<213> Homo sapiens

<400> 10

Met Lys Lys Ser Gly Val Leu Phe Leu Leu Gly Ile Ile Leu Leu Val
1 5 10 15

Leu Ile Gly Val Gln Gly Thr Pro Val Val Arg Lys Gly Arg Cys Ser
20 25 30

Cys Ile Ser Thr Asn Gln Gly Thr Ile His Leu Gln Ser Leu Lys Asp
35 40 45

Leu Lys Gln Phe Ala Pro Ser Pro Ser Cys Glu Lys Ile Glu Ile Ile
50 55 60

Ala Thr Leu Lys Asn Gly Val Gln Thr Cys Leu Asn Pro Asp Ser Ala
65 70 75 80

Asp Val Lys Glu Leu Ile Lys Lys Trp Glu Lys Gln Val Ser Gln Lys
85 90 95

Sequence_Listing (1).txt

Lys Lys Gln Lys Asn Gly Lys Lys His Gln Lys Lys Lys Val Leu Lys
100 105 110

Val Arg Lys Ser Gln Arg Ser Arg Gln Lys Lys Thr Thr
115 120 125

<210> 11
<211> 94
<212> PRT
<213> Homo sapiens

<400> 11

Met Ser Val Lys Gly Met Ala Ile Ala Leu Ala Val Ile Leu Cys Ala
1 5 10 15

Thr Val Val Gln Gly Phe Pro Met Phe Lys Arg Gly Arg Cys Leu Cys
20 25 30

Ile Gly Pro Gly Val Lys Ala Val Lys Val Ala Asp Ile Glu Lys Ala
35 40 45

Ser Ile Met Tyr Pro Ser Asn Asn Cys Asp Lys Ile Glu Val Ile Ile
50 55 60

Thr Leu Lys Glu Asn Lys Gly Gln Arg Cys Leu Asn Pro Lys Ser Lys
65 70 75 80

Gln Ala Arg Leu Ile Ile Lys Lys Val Glu Arg Lys Asn Phe
85 90

<210> 12
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<213> Artificial Sequence

<220>
<223> Synthetic peptide

Sequence_Listing (1).txt

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa = any amino acid

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> Xaa = Leu, His or Phe

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Xaa = Ser or no amino acid

<400> 12

Xaa Val Leu Xaa Ser Xaa Ala Val

1 5

<210> 13

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 13

Phe Ile Arg Trp

1

<210> 14

<211> 29

<212> PRT

<213> Homo sapiens

<400> 14

Asp Leu Gln Cys Leu Cys Val Lys Thr Thr Ser Gln Val Arg Pro Arg

1 5 10 15

His Ile Thr Ser Leu Glu Val Ile Lys Ala Gly Pro His

20 25

Sequence_Listing (1).txt

<210> 15
<211> 13
<212> PRT
<213> Homo sapiens

<400> 15

Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
1 5 10

<210> 16
<211> 18
<212> PRT
<213> Homo sapiens

<400> 16

Leu Asp Leu Gln Ala Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu
1 5 10 15

Glu Ser

<210> 17
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 17

Asp Leu Gln Cys Leu Cys Val Lys Thr Thr Ser Gln Val Arg Pro Arg
1 5 10 15

His Ile Thr Ser Leu Glu Gly Ile Lys Ala Gly Pro His
20 25

<210> 18
<211> 29

Sequence_Listing (1).txt

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 18

Asp	Leu	Gln	Cys	Leu	Cys	Val	Lys	Thr	Thr	Ser	Gln	Val	Arg	Pro	Arg
1				5					10					15	

His	Ile	Thr	Ser	Leu	Glu	Glu	Ile	Lys	Ala	Gly	Pro	His
			20					25				

<210> 19
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 19

Pro	Leu	Tyr	Lys	Lys	Ile	Ile	Lys	Lys	Leu	Glu	Glu	Ser
1				5					10			

<210> 20
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 20

Leu	Asp	Leu	Gln	Ala	Pro	Leu	Tyr	Lys	Lys	Ile	Ile	Lys	Lys	Leu	Glu
1				5					10					15	

Glu Ser

Sequence_Listing (1).txt

<210> 21
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<220>
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<400> 21

Asp	Leu	Gln	Cys	Leu	Cys	Val	Lys	Thr	Thr	Ser	Gln	Val	Arg	Pro	Arg
1				5					10					15	

Leu	Ile	Thr	Ser	Leu	Glu	Val	Ile	Lys	Ala	Gly	Pro	His
			20					25				

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

<220>
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<400> 22

Pro	Leu	Tyr	Pro	Lys	Ile	Ile	Lys	Lys	Leu	Leu	Glu	Ser
1				5					10			

<210> 23
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<220>
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<400> 23

Leu	Asp	Leu	Gln	Ala	Pro	Leu	Tyr	Pro	Lys	Ile	Ile	Lys	Lys	Leu	Leu
1				5					10					15	

Glu Ser

Sequence_Listing (1).txt

<210> 24
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 <212> PRT
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<400> 24

Pro Lys Ser Lys Gln Ala Arg Leu Ile Ile Lys Lys Val Glu Arg Lys
 1 5 10 15

Asn Phe

<210> 25
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 25

Leu Asn Pro Lys Ser Lys Gln Ala Arg Leu Ile Ile Lys Lys Val Glu
 1 5 10 15

Arg Lys Asn Phe
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<210> 26
 <211> 16
 <212> PRT
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<400> 26

Asp Lys Ile Glu Val Ile Ile Thr Leu Lys Glu Asn Lys Gly Gln Arg
 1 5 10 15

<210> 27
 <211> 18
 <212> PRT
 <213> Artificial Sequence

Sequence_Listing (1).txt

<220>

<223> Synthetic peptide

<400> 27

Pro	Lys	Ser	Lys	Gln	Ala	Arg	Leu	Ile	Ile	Lys	Lys	Val	Glu	Glu	Lys
1				5					10					15	

Asn Phe

<210> 28

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 28

Pro	Lys	Ser	Lys	Gln	Ala	Arg	Leu	Ile	Ile	Lys	Lys	Val	Glu	Gly	Lys
1				5					10					15	

Asn Phe

<210> 29

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 29

Leu	Asn	Pro	Lys	Ser	Lys	Gln	Ala	Arg	Leu	Ile	Ile	Lys	Lys	Val	Glu
1				5					10					15	

Glu Lys Asn Phe
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Sequence_Listing (1).txt

<210> 30
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic peptide

<400> 30

Leu Asn Pro Lys Ser Lys Gln Ala Arg Leu Ile Ile Lys Lys Val Glu
 1 5 10 15

Gly Lys Asn Phe
 20

<210> 31
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic peptide

<400> 31

Asp Lys Ile Glu Val Ile Ile Thr Leu Glu Glu Asn Lys Gly Gln Arg
 1 5 10 15

<210> 32
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Synthetic peptide

<400> 32

Pro Lys Ser Lys Pro Ala Arg Leu Ile Ile Lys Lys Val Glu Arg Lys
 1 5 10 15

Asn Phe

Sequence_Listing (1).txt

<210> 33
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 33

Leu Asn Pro Lys Ser Lys Pro Ala Arg Leu Ile Ile Lys Lys Val Glu
1 5 10 15

Arg Lys Asn Phe
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<210> 34
<211> 16
<212> PRT
<213> Artificial Sequence

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<223> Synthetic peptide

<400> 34

Asp Lys Pro Glu Val Ile Ile Thr Leu Lys Glu Asn Lys Gly Gln Arg
1 5 10 15

<210> 35
<211> 8
<212> PRT
<213> Artificial Sequence

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<223> Synthetic peptide

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<222> (1)..(2)
<223> Xaa can be any naturally occurring amino acid

Sequence_Listing (1).txt

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> Xaa = Leu, Pro or Val

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa = Glu or Ala

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa = Gly or Glu

<220>
<221> misc_feature
<222> (6)..(8)
<223> Xaa can be any naturally occurring amino acid

<400> 35

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<210> 36
<211> 8
<212> PRT
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<220>
<223> Synthetic peptide

<220>
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<223> Xaa can be any naturally occurring amino acid

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<222> (3)..(4)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> MISC_FEATURE

Sequence_Listing (1).txt

<222> (5)..(5)

<223> Xaa = Leu or Ile

<220>

<221> misc_feature

<222> (6)..(8)

<223> Xaa can be any naturally occurring amino acid

<400> 36

Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa

1 5