

SEQUENCE LISTING

<110> Inimex Pharmaceuticals, Inc.
 <120> NOVEL PEPTIDES FOR TREATING AND PREVENTING IMMUNE-RELATED DISORDERS, INCLUDING TREATING AND PREVENTING INFECTION BY MODULATING INNATE IMMUNITY
 <130> 190476-382091
 <140> N/A
 <141> 2006-10-04
 <150> US 60/722,962
 <151> 2005-10-04
 <150> US 60/722,958
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 <170> PatentIn version 3.3
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Arg Ile Val Pro Gly
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Arg Ile Pro Val Ala
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Ala Val Pro Ile Arg
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Ala Pro Val Ile Arg
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Arg Ile Val Pro Ala
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Cys Arg Ile Val Pro Ala Cys
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Arg Xaa Val Pro Ala
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Arg Ile Val Pro Phe
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Xaa Ile Val Pro Ala
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Arg Leu Val Pro Ala
1 5

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<400> 38

His Ile Val Pro Ala
1 5

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Xaa Ile Val Pro Ala
1 5

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Ser Ile Val Pro Ala
1 5

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Val Ser Ile Ile Lys Pro Ala Arg Val Pro Ser Leu Leu
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Lys Pro Ala Arg Val Pro Ser
1 5

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Arg Val Pro Ser Leu Leu
1 5

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Lys Pro Arg Ala Val Pro
1 5

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Pro Ala Arg Val Pro
1 5

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Ile Arg Val Pro
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Arg Val Pro Ser
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Arg Val Pro
1

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Pro Ser Val Pro Gly Ser
1 5

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Gly Leu Lys His Pro Ser
1 5

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Arg Ile Val Pro Ala Ile Pro Val Ser Leu Leu
1 5 10

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X2 is selected from the group consisting of V, I, K, P, and H [including an isolated peptide of up to 10 amino acids comprising an amino acid sequence of SEQ. ID. NO. 55.]

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X1 X2 Pro
1

<210> 56
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<223> Wherein X1 is selected from the group consisting of K, H, R, S, T, O, Cit, Hci, Dab, Dpr, or glycine based compounds with basic functional groups substituted on the N-terminal (e.g., Nlys), hSer, Val(betaOH) and wherein X2 is selected from the group consisting of A, I, L, V, K, P, G, H, R, S, O, Dab, Dpr, Cit, Hci, Abu, Nva, Nle and where X2 can be N-methylated, and wherein X3 is selected from the group consisting of I, V, P, wherein in one embodiment,

x3 is not N-methylated. In one embodiment, the peptide can be an amino acid sequence of up to 10 amino acids comprising SEQ. ID. NO. 56, but not SEQ. ID. NOS. 2 or 17.

<400> 56

x1 x2 x3 Pro
1

<210> 57
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<223> Wherein x1, x2 and x3 are defined as in Seq. ID. NO. 56, and wherein "a" is selected from the group consisting of S, P, I, R, C, T, L, V, A, G, K, H, R, O, C, M, and F or an isolated peptide up to 10 amino acids comprising SEQ. ID. NO. 57.

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a x1 x2 x3 Pro
1 5

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<222> (1)..(3)
<223> Wherein x1x2x3P are as defined in SEQ. ID. NO. 56 and "b" is selected from the group consisting of A, A*,G, S, L, F, K, C, I, V, T, Y, R, H, O, and M, but in one embodiment not P. In one embodiment, the isolated peptide is a peptide of up to 10 amino acids comprising SEQ. ID. NO. 58. In one embodiment, the peptide is not SEQ. ID. NO. 17.

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x1 x2 x3 Pro b

1 5

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<223> Where X1, X2 and X3 are as defined in SEQ. ID.NO. 56 and a1 is selected from the group consisting of K, I, R, H, O, L, V, A, and G and a2 is selected from the group consisting of S, P, R, T, H, K, O, L, V, A, G, S, I. In one embodiment, a1 is not acetylated, or where a1 is K, K is not acetylated or not SEQ. ID. NO. 2. In one embodiment, the isolated peptide comprises up to 10 amino acids comprising SEQ. ID. NO. 59.

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a1	a2	X1	X2	X3	Pro
1					5

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<222> (2)..(4)
<223> Where X1, X2 and X3 are as defined in SEQ. ID.NO. 56 and where "a" is selected from the group consisting of S, R, K, H, O, T, I, L, V, A, and G and wherein "b" is selected from the group consisting of A, V, I, L, G, K, H, R, O, S, T, and F or a peptide of up to 10 amino acids comprising SEQ. ID. NO. 60.

<400> 60

a	X1	X2	X3	Pro	b
1					5