

## SEQUENCE LISTING

<110> DAIICHI SANKYO COMPANY, LIMITED  
 <120> Motilin-Like Peptide Compound Having Transmucosal Absorbability Imparted Thereto  
 <130> FA1511-10070  
 <150> JP 2009-177107  
 <151> 2009-07-29  
 <160> 17  
 <170> PatentIn version 3.1  
 <210> 1  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 1

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys  
 1 5 10 15

Glu Arg Asn Lys Gly Gln  
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<210> 2  
 <211> 22  
 <212> PRT  
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<220>  
 <223> Amino acid sequence of Motilin homologues.

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> an aromatic amino acid or a heterocyclic aromatic amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (3)..(3)  
 <223> proline or sarcosine (Sar; or N-methylglycine, MeGly)

<220>  
 <221> MISC\_FEATURE  
 <222> (9)..(9)  
 <223> aspartic acid or glutamic acid

<220>  
 <221> MISC\_FEATURE  
 <222> (13)..(13)  
 <223> methionine or leucine

<220>  
 <221> MISC\_FEATURE  
 <222> (19)..(19)  
 <223> proline or asparagine

<400> 2

Xaa Val Xaa Ile Phe Thr Tyr Gly Xaa Leu Gln Arg Xaa Gln Glu Lys  
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Glu Arg Xaa Lys Pro Gln  
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<210> 3  
 <211> 22  
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<220>  
 <223> Amino acid sequence of Compound 1 (MT095).

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Glu Arg Asn Lys Pro Gln  
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<210> 4  
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<220>  
 <223> Amino acid sequence of Compound 2 (MT114).

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Glu Arg Asn Lys Pro Gln  
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<210> 5  
 <211> 22  
 <212> PRT  
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 <223> Amino acid sequence of Compound 3 (MT116).

<400> 5

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Glu Arg Pro Lys Pro Gln  
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<210> 6  
 <211> 22  
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 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> beta-homophenylglycine (Phg(C#CH2))

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Xaa Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Leu Gln Glu Lys  
 1 5 10 15

Glu Arg Pro Lys Pro Gln  
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<210> 7  
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<220>  
<223> Amino acid sequence of Compound 5 (MT126).

<220>  
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<222> (1)..(1)  
<223> beta-homophenylglycine (Phg(C#CH2))

<220>  
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<222> (3)..(3)  
<223> sarcosine (Sar; or N-methylglycine, MeGly)

<400> 7

Xaa Val Xaa Ile Phe Thr Tyr Gly Glu Leu Gln Arg Leu Gln Glu Lys  
1 5 10 15

Glu Arg Pro Lys Pro Gln  
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<210> 8  
<211> 22  
<212> PRT  
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<220>  
<223> Amino acid sequence of Compound 6 (MT140).

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Glu Arg Asn Lys Pro Gln  
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<210> 9  
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Glu Arg Asn Lys Pro Gln  
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<223> Amino acid sequence of Compound 8 (MT107).

<400> 10

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1 5 10 15

Glu Arg Pro Lys Pro Gln  
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<210> 11

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<212> PRT

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<223> Amino acid sequence of Compound 9 (MT115).

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<210> 12

<211> 22

<212> PRT

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<222> (1)..(1)

<223> beta-homophenylglycine (Phg(C#CH2))

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<222> (3)..(3)

<223> sarcosine (Sar; or N-methylglycine, MeGly)

<400> 12

Xaa Val Xaa Ile Phe Thr Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys  
1 5 10 15

Glu Arg Pro Lys Pro Gln  
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<210> 13

<211> 22

<212> PRT

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<221> MISC\_FEATURE

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<223> acetylnaphthylalanine (Ac-Nal)

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Glu Arg Asn Lys Pro Gln  
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<210> 14  
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Glu Arg Pro Lys Pro Gln  
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<210> 15  
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<212> PRT  
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<220>  
<223> Amino acid sequence of Compound 13 (MT155).

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Phe Val Pro Ile Phe Thr Tyr Gly Asp Leu Gln Arg Met Gln Glu Lys  
1 5 10 15

Glu Arg Pro Lys Pro Gln  
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<210> 16  
<211> 22  
<212> PRT  
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<220>  
<223> Amino acid sequence of Reference Compound 1 (13Leu-Motilin).

<400> 16

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Leu Gln Glu Lys  
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Glu Arg Asn Lys Gly Gln  
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<210> 17  
<211> 22  
<212> PRT  
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<220>  
<223> Amino acid sequence of Reference Compound 2 (MT139).

<400> 17

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys  
1 5 10 15

42

Glu Arg Asn Lys Gly Gln  
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