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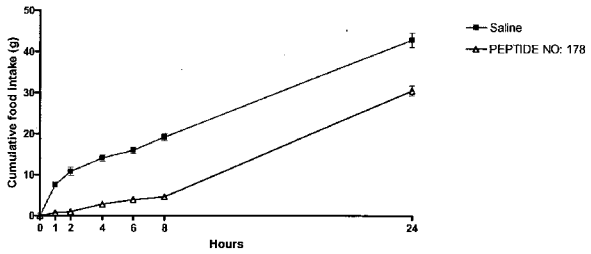
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(54) Title: NOVEL COMPOUNDS AND THEIR EFFECTS ON FEEDING BEHAVIOUR



(57) Abstract: The invention provides a peptide comprising the amino acid sequence given below, together with use of the peptide and methods associated therewith. The peptide finds particular use as an appetite suppressant and in the treatment of obesity. Xaa1 Xaa2 Xaa3 Gly4 Thr5 Phe6 Thr7 Ser8 Asp9 Tyr1O Ser1 1 Lys12 Tyr13 Leu14 Xaa15 Xaa16 Xaa17 Xaa18 Xaa19 Xaa20 Xaa21 Xaa22 Xaa23 Xaa24 Trp25 Leu26 Xaa27 Xaa28 Xaa29 Xaa30 Xaa31 Xaa32 Lys33 Asn34 Asn35 Ue36 Ala37; wherein: Xaa1 is His1 or D-His1, Xaa2 is Ser2 or Ala2, Xaa3 is Gln3 or Asp3; Xaa15 Xaa16 Xaa17 Xaa18 Xaa19 Xaa20 Xaa21 Xaa22 Xaa23 Xaa24 is: G1u15 Glu16 G1u17 Leu18 Val19 Lys20 Tyr21 Phe22 Leu23 Glu24, Glu15 Glu16 Glu17 Leu18 Val19 Lys20 Tyr21 Phe22 Leu23 Gln24, Glu15 Glu16 Glu17 Leul18 Val19 Lys20 Tyr21 Phe22 Ile23 Glu24, Glu15 Glu16 Glu17 Leul18 Val19 Lys20 Tyr21 Phe22 Ile23 Gln24, Glu15 Glu16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Leu23 Glu24, Glu15 Glu16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Leu23 Gln24, Glu15 Glu16 Glu17 Ilel18 Val19 Lys20 Tyr21 Phe22 Ile23 Glu24, Glu15 Glu16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Ile23 Gln24, Glu15 Gln16 Glu17 Leu18 Val19 Lys20 Tyr21 Phe22 Leu23 Glu24, Glu15 Gln16 G1u17 Leu18 Val19 Lys20 Tyr21 Phe22 Leu23 Gln24, Glu15 Gln16 Glu17 Leu18 Val19 Lys20 Tyr21 Phe22 Ile23 Glu24, Glu15 Gln16 Glu17 Leu18 Val19 Lys20 Tyr21 Phe22 Ue23 Gln24, Glu15 Gln16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Leu23 Glu24, Glu15 Gln16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Leu23 Gln24, Glu15 Gln16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Ile23 Glu24, Glu15 Gln16 Glu17 Ile18 Val19 Lys20 Tyr21 Phe22 Ile23 Gln24, or Asp15 Ser16 Arg17 Arg18 Ala19 Gln20 Asp21 Phe22 Val23 Gln24; Xaa27 Xaa28 Xaa29 Xaa30 Xaa31 Xaa32 is: Met27 Asn28 Thr29 Lys30 Arg31 Asn32, Lys27 Asn28 Ala29 Gly30 Pro31 Ser32, or Lys27 Asn28 Gly29 Gly30 Pro31 Ser32 or a peptide as set out above in which residue Asn34 is replaced with Asp34; or a peptide as set out above in which Xaa3 is Glu3; with the proviso that if Xaal5 Xaa16 Xaa17 Xaa18 Xaa19 Xaa20 Xaa21 Xaa22 Xaa23 Xaa24 is Asp15 Ser16 Arg17 Arg18 Ala19 Gln20 Asp21 Phe22 Val23 Gln24, - - then Xaa27 Xaa28 Xaa29 Xaa30 Xaa31 Xaa32 is not Met27 Asn28 Thr29 Lys30 Arg31 Asn32.

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