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(54) Title: POLYPEPTIDE COMPOUNDS CONTAINING D-2-ALKYLTRYPTOPHAN CAPABLE OF PROMOTING THE RELEASE OF GROWTH HORMONE

(57) Abstract

A peptide of the formula: A-D-Mrp-$(Ala)_n$-B-C wherein A is any natural L-amino acid or its D-isomer with the proviso that A is not His if B is Trp and C is D-Phe-Lys-NH_2; or A is imidazoleacetyl, isonipecotyl, 4-aminobutyryl, 4-(aminomethyl)cyclohexanecarbonyl, Glu-Tyr-Ala-His, Tyr-Ala-His, Tyr-His, D-Thr-His; D relates to the dextro isomer, Mrp is 2-alkyltryptophan; n is 0 or 1; B is L- or D-Trp, Phe or D-β-naphthylalanine, C is NH_2, D-Phe-LysNH_2, D-Trp-LysNH_2, D-Phe-Lys-NH_2, Phe-Lys-NH_2, D-Phe-Lys-ThrNH_2, D-Phe-Lys-D-ThrNH_2, OR, wherein R is a C_1-C_3 alkyl group, and the addition salts with pharmaceutically acceptable organic or inorganic acids of anyone of said polypeptides, these compounds are capable of promoting the release of growth hormone, and are active by the oral route.

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