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(54) Title: $\alpha_v\beta_b$ INTEGRIN INHIBITORS

(54) Bezeichnung: INHIBITOREN DES INTEGRINS $\alpha_v\beta_6$

(57) Abstract

The invention relates to novel peptides which are biologically active as ligands of $\alpha_v\beta_6$ integrin. Said peptides have a common structural motif, i.e. Asp Leu Xaa Leu – or in a preferred form Arg Xaa Asp Leu Xaa Xaa Leu Arg–, wherein Xaa represents any amino acid radical. The peptides according to the invention can be used as efficient $\alpha_v\beta_6$ integrin receptor inhibitors and consequently in the treatment of different diseases and pathologies.

(57) Zusammenfassung

Die Erfindung beschreibt neuartige Peptide, welche als Liganden des Integrins $\alpha_v\beta_6$ biologisch wirksam sind. Diese Peptide weisen alle ein gemeinsames Strukturmotiv, nämlich – Asp Leu Xaa Leu –, bzw. in einer bevorzugten Form – Arg Xaa Asp Leu Xaa Xaa Leu Arg – auf, wobei Xaa für einen beliebigen Aminosäurerest steht. Die erfindungsgemäßen Peptide können als wirksame Inhibitoren des $\alpha_v\beta_6$–Integrin–Rezeptors und somit zur Behandlung verschiedener Krankheiten und pathologischer Befunde eingesetzt werden.