

Title (en)
MODIFIED PEPTIDES AND PEPTIDOMIMETICS FOR USE IN IMMUNOTHERAPY

Title (de)
MODIFIZIERTE PEPTIDE UND PEPTIDOMIMETIKA ZUR VERWENDUNG IN DER IMMUNOTHERAPIE

Title (fr)
PEPTIDES ET PEPTIDOMIMETIQUES MODIFIES DESTINES A L'IMMUNOTHERAPIE

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Application
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Abstract (en)
[origin: WO0129081A1] The invention relates to a modified peptide derived from H-Arg-Ser-Phe-Thr-Leu-Ala-Ser-Ser-Glu-Thr-Gly-Val-Gly-OH having general formula (II): Q-A1-A2-A3-A4-A5-A6-A7-A8-A9-A10-A11-A12-A13-Z. In general formula (II), A1 through A13 correspond with the amino acids of formula (I), Q corresponds with H and Z corresponds with OH. The modifications according to the present invention are selected one or more of the groups a, b or c, consisting of a) substitution of 1-6, preferably 1-4 amino acids at A1 through A13 with non-natural amino acids or beta amino acids; b) substitution of one or more amide bonds with reduced amide bonds or ethylene isosteres; c) substitutions at Q and/or Z and, optionally, d) substitution of natural amino acids up to a total of 6 modifications. The peptides can be used for inducing tolerance induction in patients suffering from autoimmune diseases.

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IPC 8 full level
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Citation (examination)
• STEMMER ET AL: "Protection against lymphocytic choriomeningitis viurs infection induced by a reduced peptide bond analogue of the H-2Db-restricted CD8+ T cell epitope GP33", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 9, 26 February 1999 (1999-02-26), pages 5550 - 5556
• BENKIRANE ET AL: "Exploration of requirements for peptidomimetic immune recognition.", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 52, 27 December 1996 (1996-12-27), pages 33218 - 33224
• See also references of WO 0129081A1

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