

Title (en)

PEPTIDE ANALOGS AND MIMETICS SUITABLE FOR IN VIVO USE IN THE TREATMENT OF DISEASES ASSOCIATED WITH ABNORMAL PROTEIN FOLDING INTO AMYLOID, AMYLOID-LIKE DEPOSITS OR BETA-SHEET RICH PATHOLOGICAL PRECURSOR THEREOF

Title (de)

ANALOGA UND MIMETIKA VON PEPTIDEN FÜR DIE IN-VIVO-VERWENDUNG IN DER BEHANDLUNG VON KRANKHEITEN, DIE MIT ABNORMALER PROTEINFALTUNG IN AMYLOID- ODER AMYLOID ÄHNLICHEN ABLAGERUNGEN ODER IHREM AN BETA-FALTBLATTSTRUKTUR REICHEM PATHOLOGISCHEM VORLÄUFER VERBUNDEN SIND

Title (fr)

ANALOGUES ET MIMETIQUES PEPTIDIQUES POUVANT ETRE UTILISES IN VIVO POUR TRAITER DES MALADIES ASSOCIEES AU REPLI ANORMAL PROTEIQUE EN DEPOTS AMYLOIDES OU PSEUDO-AMYLOIDES OU LEUR PRECURSEUR PATHOLOGIQUE RICHE EN BETA-FEUILLE

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Application

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Abstract (en)

[origin: WO0134631A2] The present invention is an inhibitory peptide capable of inhibiting beta pleated sheet formation in amyloid beta -peptide. The inhibitory peptide is a beta sheet breaker peptide analog designed by chemical modification of beta sheet breaker peptide capable of inhibiting beta pleated sheet formation in amyloid beta -peptide. The present invention also includes an inhibitory peptide capable of inhibiting conformational changes in prion PrP protein associated with amyloidosis. The inhibitory peptide being a beta sheet breaker peptide analog designed by chemical modification of a beta sheet breaker peptide capable of inhibiting the conformational changes in prior PrP protein associated with amyloidosis. In addition, the present invention includes a peptide mimetic with the structure PMiA beta 5. In another embodiment, the peptide mimetic has the structure PMiPrP13. In yet another embodiment, the peptide mimetic has the structure PMiPrP5.

[origin: WO0134631A2] The present invention is an inhibitory peptide capable of inhibiting beta pleated sheet formation in amyloid beta -peptide. The inhibitory peptide is a beta sheet breaker peptide analog designed by chemical modification of beta sheet breaker peptide capable of inhibiting beta pleated sheet formation in amyloid beta -peptide. The present invention also includes an inhibitory peptide capable of inhibiting conformational changes in prion PrP protein associated with amyloidosis. The inhibitory peptide being a beta sheet breaker peptide analog designed by chemical modification of a beta sheet breaker peptide capable of inhibiting the conformational changes in prior PrP protein associated with amyloidosis. In addition, the present invention includes a peptide mimetic with the structure PMiA beta 5. In another embodiment, the peptide mimetic has the structure PMiPrP13. In yet another embodiment, the peptide mimetic has the structure PMiPrP5.

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