

## 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

## Publication

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## Application

**EP 00976928 A 20001104**

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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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