

Title (en)

AMINO ACID PAIRING-BASED SELF ASSEMBLING PEPTIDES AND METHODS

Title (de)

AUF AMINOSÄUREPAARUNG BASIERENDE SELBSTZUSAMMENBAUENDE PEPTIDE UND VERFAHREN

Title (fr)

PEPTIDES À AUTO-ASSEMBLAGE À BASE D'APPARIEMENT D'ACIDES AMINÉS ET PROCÉDÉS

Publication

**EP 2197897 A1 20100623 (EN)**

Application

**EP 08800379 A 20080829**

Priority

- CA 2008001688 W 20080829
- US 93577307 P 20070830

Abstract (en)

[origin: WO2009026729A1] The invention relates to self assembling  $\beta$ -strand peptides for forming nanostructures, compositions containing the peptides, and methods of forming the peptides. The invention further relates to uses of these peptides in drug delivery and enhancement of drug solubility, biomolecule detection, and biocatalysis applications. The peptides of this invention are further useful in models of protein aggregation disease.

IPC 8 full level

**C07K 7/06** (2006.01); **A61K 38/02** (2006.01); **A61K 45/08** (2006.01); **A61K 47/18** (2006.01); **A61K 47/42** (2006.01); **A61P 35/00** (2006.01); **B82B 1/00** (2006.01); **C07K 1/00** (2006.01); **C07K 5/06** (2006.01); **C07K 5/072** (2006.01); **C07K 5/10** (2006.01); **C07K 5/113** (2006.01); **C11D 1/88** (2006.01); **G01N 33/50** (2006.01); **G01N 33/569** (2006.01); **G01N 33/66** (2006.01); **G01N 33/68** (2006.01); **H01M 8/22** (2006.01)

CPC (source: EP)

**A61K 9/10** (2013.01); **A61K 47/42** (2013.01); **A61P 35/00** (2017.12); **C07K 5/06104** (2013.01); **C07K 5/06113** (2013.01); **C07K 5/1021** (2013.01); **C07K 7/06** (2013.01); **G01N 33/68** (2013.01); **H01M 4/8605** (2013.01); **Y02E 60/50** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009026729 A1 20090305**; CA 2697951 A1 20090305; CN 101939329 A 20110105; EP 2197897 A1 20100623; EP 2197897 A4 20120808

DOCDB simple family (application)

**CA 2008001688 W 20080829**; CA 2697951 A 20080829; CN 200880114082 A 20080829; EP 08800379 A 20080829