

Title (en)

A CONJUGATE OF A COLLAGEN II-BINDING FRAGMENT AND AN ARTHRITIS-AFFECTING PHARMACEUTICAL SUBSTANCE

Title (de)

KONJUGAT EINES KOLLAGEN II-BINDENDEN FRAGMENTES UND EINES ANTI-ARTHRITISARZNEIMITTEL

Title (fr)

CONJUGUE CONSTITUE D'UN FRAGMENT SE LIANT AU COLLAGENE II ET D'UN PRINCIPE ACTIF ANTI-ARTHRITIQUE

Publication

EP 1237568 A1 20020911 (EN)

Application

EP 00980190 A 20001122

Priority

- SE 0002293 W 20001122
- SE 9904237 A 19991122

Abstract (en)

[origin: WO0137861A1] The invention provides a conjugate of a collagen II-binding chondroadherin fragment and an arthritis-affecting pharmaceutical substance, such as a cytokine, a cytokine antagonist and/or a protease inhibitor. It has turned out that chondroadherin specifically interacts with collagen II thereby forming a complex. Release of cartilage extracellular matrix components, such as chondroadherin and collagen II is a symptom of arthritis. By providing a conjugate according to the present invention it is therefore possible to direct arthritis-affecting pharmaceutical substances directly to the pathogenic tissue. The inventive conjugate can be manufactured by chemical crosslinking. In case the arthritis-affecting pharmaceutical substance is a protein or a peptide, the conjugate can be a fusion protein and be produced by genetic engineering techniques.

IPC 1-7

A61K 38/39; A61K 38/17; C07K 14/78

IPC 8 full level

A61K 38/00 (2006.01); **A61K 38/16** (2006.01); **A61K 45/00** (2006.01); **A61P 19/02** (2006.01); **A61P 29/00** (2006.01); **A61P 43/00** (2006.01); **C07K 14/52** (2006.01); **C07K 14/78** (2006.01); **C07K 14/81** (2006.01); **C07K 19/00** (2006.01); **C12N 15/09** (2006.01)

CPC (source: EP)

A61P 19/02 (2017.12); **A61P 29/00** (2017.12); **A61P 43/00** (2017.12); **C07K 14/78** (2013.01); **C07K 14/8146** (2013.01); **A61K 38/00** (2013.01); **C07K 2319/00** (2013.01)

Citation (search report)

See references of WO 0137861A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0137861 A1 20010531; AU 1748601 A 20010604; CA 2392175 A1 20010531; EP 1237568 A1 20020911; JP 2003531109 A 20031021; SE 9904237 D0 19991122

DOCDB simple family (application)

SE 0002293 W 20001122; AU 1748601 A 20001122; CA 2392175 A 20001122; EP 00980190 A 20001122; JP 2001539475 A 20001122; SE 9904237 A 19991122