

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

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Application

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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.

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