

Title (en)

MIXTURES OF CALCITONIN DRUG-OLIGOMER CONJUGATES AND METHODS OF USE IN PAIN TREATMENT

Title (de)

GEMISCHE VON CALCITONIN-ARZNEIMITTEL-OLIGOMER-KONJUGATEN UND ANWENDUNGSVERFAHREN IN DER SCHMERZBEHANDLUNG

Title (fr)

MELANGES DE CONJUGUES CONTENANT UN MEDICAMENT A BASE DE CALCITONINE COUPLE A UN OLIGOMERE ET PROCEDES D'UTILISATION DANS LE TRAITEMENT DE LA DOULEUR

Publication

EP 1643959 A4 20100609 (EN)

Application

EP 04753588 A 20040527

Priority

- US 2004016784 W 20040527
- US 48213003 P 20030624

Abstract (en)

[origin: WO2005004792A2] A mixture of conjugates in which each conjugate in the mixture comprises a calcitonin drug coupled to an oligomer that includes a polyalkylene glycol moiety is disclosed. The mixture may lower serum calcium levels in a subject by 10, 15 or even 20 percent or more. Moreover, the mixture may be more effective at surviving an in vitro model of intestinal digestion than non-conjugated calcitonin. Furthermore, the mixture may exhibit a higher bioavailability than non-conjugated calcitonin. The compositions of this invention are useful in the treatment of various bone disorders and pain.

IPC 8 full level

C07K 1/113 (2006.01); **A61K 38/00** (2006.01); **A61K 47/48** (2006.01); **C07K 7/00** (2006.01); **C07K 14/535** (2006.01)

IPC 8 main group level

A61K (2006.01)

CPC (source: EP)

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Citation (search report)

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- [Y] SIMANSKI C ET AL: "[Therapy of phantom pain with salmon calcitonin and effect on postoperative patient satisfaction]", DER CHIRURG; ZEITSCHRIFT FÜR ALLE GEBIETE DER OPERATIVEN MEDIZIN JUN 1999 LNKD- PUBMED:10427454, vol. 70, no. 6, June 1999 (1999-06-01), pages 674 - 681, XP002578700, ISSN: 0009-4722
- [Y] ANTONIO QUATRARO ET AL: "CALCITONIN IN PAINFUL DIABETIC NEUROPATHY", LANCET THE, LANCET LIMITED. LONDON, GB, vol. 339, no. 8795, 1 March 1992 (1992-03-01), pages 746 - 747, XP008073556, ISSN: 0140-6736
- See references of WO 2005004792A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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