

Title (en)  
CELL INTERNALIZED PEPTIDE-DRUG CONJUGATES

Title (de)  
PEPTID-WIRKSTOFF-KONJUGATE IM ZELLINNERN

Title (fr)  
CONJUGUES PEPTIDES-MEDICAMENTS INTEGRES DANS DES CELLULES

Publication  
**EP 1311280 A4 20050223 (EN)**

Application  
**EP 01956077 A 20010801**

Priority  
• US 0124088 W 20010801  
• US 62971900 A 20000801

Abstract (en)  
[origin: WO0209649A2] Peptides which bind to leukocytes are conjugated with drugs. Advantageously, the peptide-drug conjugates interfere with ICAM-1/LFA-1 interactions and are internalized by leukocytes, whereby the drug portion of the conjugate exerts potent toxic side effects against targeted cells with minimal adverse side effects. Preferred conjugates include 4-30 mer peptides derived from ICAM-1 or LFA-1 coupled with drugs effective against leukocyte-related diseases.

IPC 1-7  
**A61K 38/03**; **C07K 2/00**; **C07K 19/00**

IPC 8 full level  
**A61K 47/42** (2006.01); **A61K 47/48** (2006.01); **C07K 5/09** (2006.01); **C07K 7/06** (2006.01); **C07K 7/08** (2006.01); **C07K 14/47** (2006.01)

CPC (source: EP)  
**A61K 47/62** (2017.07)

Citation (search report)  
• [Y] WO 9528170 A1 19951026 - UNIV KANSAS [US], et al  
• [Y] WO 9741149 A1 19971106 - UNIV KANSAS [US]  
• [X] SIAHAAN T J ET AL: "UTILIZATION OF CELL-ADHESION PEPTIDES TO IMPROVE DRUG DELIVERY", PEPTIDES FOR THE NEW MILLENNIUM. PROCEEDINGS OF THE AMERICAN PEPTIDE SYMPOSIUM, XX, XX, 1999, pages 209 - 211, XP001034997  
• [T] ANDERSON MEAGAN E ET AL: "Targeting ICAM-1/LFA-1 interaction for controlling autoimmune diseases: Designing peptide and small molecule inhibitors.", PEPTIDES (NEW YORK), vol. 24, no. 3, March 2003 (2003-03-01), pages 487 - 501, XP002290396, ISSN: 0196-9781  
• See references of WO 0209649A2

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DOCDB simple family (publication)  
**WO 0209649 A2 20020207**; **WO 0209649 A3 20020411**; **WO 0209649 A8 20020801**; AU 7811301 A 20020213; CA 2417885 A1 20020207; EP 1311280 A2 20030521; EP 1311280 A4 20050223; JP 2004505029 A 20040219

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**US 0124088 W 20010801**; AU 7811301 A 20010801; CA 2417885 A 20010801; EP 01956077 A 20010801; JP 2002515204 A 20010801