Title (en)

NOVEL AMPIPHILIC FLUOROCARBON MOLECULAR VECTORS FOR BIOMEDICAL AND MEDICAL USE

Title (de)

NEUE FLUOROROCARBONIERTE AMPHIPHILE MOLEKULARE VEKTOREN ZUR BIOMEDIZINISCHEN UND MEDIZINISCHEN VERWENDUNG

Title (fr)

NOUVEAUX VECTEURS MOLECULAIRES AMPHIPHILES FLUOROCARBONES A USAGE BIOMEDICAL ET MEDICAL

Publication

EP 1558630 A2 20050803 (FR)

Application

EP 03782534 A 20031107

Priority

- FR 0303336 W 20031107
- FR 0214077 A 20021108

Abstract (en)

[origin: FR2846969A1] Modified active agent derivatives (I) containing an amino acid residue or peptide chain, a fluorinated hydrocarbon chain and a recognition or hydrophilizing moiety in addition to the parent active agent residue are new. Modified active agent derivatives (I) containing an amino acid residue or peptide chain, a fluorinated hydrocarbon chain and a recognition or hydrophilizing moiety in addition to the parent active agent residue are new. PA = active agent acting on a biological target; x, a, b = 0 or 1; X = peptide chain containing 1-5 amino acid residues; AA1, AA2, AA3 = amino acids; R = molecule recognized by the target of PA or a hydrophilic moiety for modifying the hydrophilic-lipophilic balance (HLB) value of (I); Y1 = 4-12C fluorinated hydrocarbon chain containing a C(O), NH, OC(O)NH, S or O group allowing attachment to a terminal of the (AA3)b-(AA2)a-(AA1) chain or to the side-chain of one of the amino acids AA1-AA3; The PA-(X)x moiety is bonded to the (AA3)b-(AA2)a-(AA1) chain via the side-chain of one of the amino acids AA1 - AA3 or to a terminal of the chain. An Independent claim is also included for biologically active molecules containing a fragment of formula (II). R' = monosaccharide, aminated sugar derivative, polysaccharide, polyether, polyol, peptide, natural or synthetic hormone or antibody.

IPC 1-7

C07K 2/00

IPC 8 full level

A61K 31/7004 (2006.01); **A61K 31/706** (2006.01); **A61K 47/48** (2006.01); **A61P 35/00** (2006.01); **C07K 5/02** (2006.01); **C07K 5/10** (2006.01); **C07K 7/02** (2006.01); A61K 38/00 (2006.01)

CPC (source: EP US)

A61K 31/7004 (2013.01 - EP US); **A61K 31/706** (2013.01 - EP US); **A61K 47/549** (2017.07 - EP US); **A61K 47/64** (2017.07 - EP US); **A61P 9/10** (2017.12 - EP); **A61P 25/16** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 37/02** (2017.12 - EP); **A61P 39/06** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07K 5/0215** (2013.01 - EP US); **C07K 5/1008** (2013.01 - EP US); **C07K 7/02** (2013.01 - EP US); A61K 38/00 (2013.01 - EP US)

Citation (search report)

See references of WO 2004043993A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2846969 A1 20040514; AU 2003290170 A1 20040603; AU 2003290170 A8 20040603; EP 1558630 A2 20050803; JP 2006520741 A 20060914; US 2006167223 A1 20060727; WO 2004043993 A2 20040527; WO 2004043993 A3 20040729

DOCDB simple family (application)

FR 0214077 A 20021108; AU 2003290170 A 20031107; EP 03782534 A 20031107; FR 0303336 W 20031107; JP 2004550759 A 20031107; US 53398305 A 20050929