

Title (en)
INTRACELLULAR DELIVERY OF CHEMICAL AGENTS TO A SPECIFIC CELL TYPE

Title (de)
INTRAZELLULÄRE VERABREICHUNG VON CHEMISCHEN WIRKSTOFFEN AN EINEN SPEZIFISCHEN ZELLTYP

Title (fr)
ADMINISTRATION INTRACELLULAIRE D'AGENTS CHIMIQUES A UN TYPE SPECIFIQUE DE CELLULES

Publication
EP 0781139 A1 19970702 (EN)

Application
EP 95932472 A 19950912

Priority
• US 9511515 W 19950912
• US 30577094 A 19940913

Abstract (en)
[origin: WO9608263A1] A composition for specific intracellular delivery of a chemical agent into a CR2 receptor-bearing cell comprises a CR2 receptor binding and endocytosis inducing ligand (CBEL) coupled to the chemical agent. The CBEL binds to the CR2 receptor and elicits endocytosis of the composition. Optionally, the composition can include a spacer, which can be either biodegradable or non-biodegradable, for coupling the CBEL to the chemical agent. Chemical agents can include cytotoxins, transforming nucleic acids, gene regulators, labels, antigens, drugs, and the like. The composition can further comprise a carrier such as a water soluble polymer, liposome, or particulate. Methods of using these compositions for delivering a chemical agent in vivo or in vitro are also disclosed.

IPC 1-7
A61K 38/00; **A61K 38/04**; **A61K 38/07**; **A61K 38/08**; **A61K 38/10**; **A61K 38/16**; **A61K 39/12**; **A61K 39/245**; **A61K 39/385**; **C07K 5/00**; **C07K 5/04**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 31/70** (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61K 45/00** (2006.01); **A61K 47/48** (2006.01); **A61P 43/00** (2006.01); **C07K 14/05** (2006.01); **C07K 14/47** (2006.01); **C07K 14/705** (2006.01); **C07K 17/08** (2006.01); **C07K 19/00** (2006.01); **C12P 21/02** (2006.01); **C12R 1/69** (2006.01)

CPC (source: EP KR)
A61K 38/00 (2013.01 - KR); **A61K 38/16** (2013.01 - KR); **A61K 39/385** (2013.01 - KR); **A61K 47/6425** (2017.07 - EP); **A61P 43/00** (2017.12 - EP); **C07K 5/00** (2013.01 - KR); **C07K 14/005** (2013.01 - EP); **C07K 14/472** (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **C07K 2319/00** (2013.01 - EP); **C12N 2710/16222** (2013.01 - EP)

Citation (search report)
See references of WO 9608263A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9608263 A1 19960321; AU 3550795 A 19960329; AU 697469 B2 19981008; BR 9508951 A 19990406; CA 2198361 A1 19960321; CN 1157570 A 19970820; CZ 74797 A3 19970813; EP 0781139 A1 19970702; HU T77263 A 19980302; JP H10505835 A 19980609; KR 970705404 A 19971009; MX 9701860 A 19970628; PL 319100 A1 19970721; ZA 957688 B 19960513

DOCDB simple family (application)
US 9511515 W 19950912; AU 3550795 A 19950912; BR 9508951 A 19950912; CA 2198361 A 19950912; CN 95195037 A 19950912; CZ 74797 A 19950912; EP 95932472 A 19950912; HU 9701746 A 19950912; JP 51027395 A 19950912; KR 19970701469 A 19970306; MX 9701860 A 19950912; PL 31910095 A 19950912; ZA 957688 A 19950913