

Title (en)

COMPOUND CAPABLE OF INTRODUCING AT LEAST ONE MOLECULE INTO A CELL

Title (de)

VERBINDUNG GEEIGNET ZUR EINFÜHRUNG VON WENIGSTENS EINEM MOLEKÜL IN EINE ZELLE

Title (fr)

COMPOSE POUVANT INTRODUIRE AU MOINS UNE MOLECULE DANS UNE CELLULE

Publication

EP 0736002 B9 20021218 (EN)

Application

EP 95902010 A 19941219

Priority

- BE 9400096 W 19941219
- US 17012493 A 19931220

Abstract (en)

[origin: WO9517378A1] The present invention relates to a compound capable of introducing at least one molecule into a cell and of formula (I) in which: A is chosen from the group consisting of the radicals comprising a hydrophilic group or a CH₂ group and a hydrophobic group; n is a positive integer; and R<2>, R<3> and R<4> are chosen from the group comprising a hydrogen atom, saturated alkyl chains, unsaturated alkyl chains and substituted alkyl chains. The invention also relates to a positively charged vesicle whose membrane comprises this compound, to a vector comprising at least one molecule combined with said vesicle, to the cell, animal and/or plant transformed by said compound or said vector as well as to the pharmaceutical or cosmetic composition comprising said vector and/or the cell transformed by said vector. The invention also relates to the process for the synthesis of said compound and the process for the production of said vector.

IPC 1-7

C07C 257/14; **C12N 15/87**; **A61K 47/48**; **A61K 9/127**; **C12N 5/10**; **A01K 67/027**; **A01H 5/00**; **C07C 257/06**; **A61K 7/00**

IPC 8 full level

A01H 5/00 (2006.01); **A01K 67/027** (2006.01); **A61K 8/30** (2006.01); **A61K 8/40** (2006.01); **A61K 8/43** (2006.01); **A61K 8/46** (2006.01); **A61K 8/58** (2006.01); **A61K 9/127** (2006.01); **A61K 38/00** (2006.01); **A61K 45/00** (2006.01); **A61K 47/48** (2006.01); **A61K 48/00** (2006.01); **C07C 257/06** (2006.01); **C07C 257/14** (2006.01); **C07C 327/30** (2006.01); **C07H 21/04** (2006.01); **C12N 5/00** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/82** (2006.01); **C12N 15/88** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)

A61K 9/1272 (2013.01); **A61K 47/54** (2017.07); **C07C 257/06** (2013.01); **C07C 257/14** (2013.01); **C12N 15/8206** (2013.01); **C12N 15/88** (2013.01)

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

WO 9517378 A1 19950629; AU 1103995 A 19950710; CA 2179385 A1 19950629; DE 69430321 D1 20020508; DE 69430321 T2 20030925; EP 0736002 A1 19961009; EP 0736002 B1 20020403; EP 0736002 B9 20021218; ES 2173944 T3 20021101; JP H09508099 A 19970819

DOCDB simple family (application)

BE 9400096 W 19941219; AU 1103995 A 19941219; CA 2179385 A 19941219; DE 69430321 T 19941219; EP 95902010 A 19941219; ES 95902010 T 19941219; JP 51705695 A 19941219