

Title (en)  
NOVEL LIPOPHILIC COMPOUNDS AND USES THEREOF

Title (de)  
NEUE LIPOPHILE VERBINDUNGEN UND DEREN VERWENDUNGEN

Title (fr)  
NOUVEAUX COMPOSES LIPOPHILES ET LEURS UTILISATIONS

Publication  
**EP 1562963 A1 20050817 (FR)**

Application  
**EP 03786052 A 20031107**

Priority  
• FR 0350116 W 20031107  
• FR 0214044 A 20021108

Abstract (en)  
[origin: FR2846967A1] Lipophilic cationic compounds (I), containing a phosphoric acid diester-amide moiety and an onium cationic moiety, are new. Lipophilic cationic compounds of formula (I) are new. R<sub>1</sub>, R'<sub>1</sub> = alkyl, alkenyl or alkapolyenyl (having 2-4 double bonds) of 10-24C; R<sub>2</sub> = H or 1-4C alkyl; R<sub>3</sub> = (CH<sub>2</sub>)<sub>n</sub>; n = 0-4; A<sup>+</sup> = organic cation; X<sup>-</sup> = anion. Independent claims are included for: (1) lipid vesicles containing or consisting of (I) (where the vesicles may be unilamellar or multilamellar and optionally contain other lipophilic compounds); and (2) complex of (I) (or the lipid vesicles containing or consisting of (I)) with nucleic acids

IPC 1-7  
**C07F 9/24**; **C07F 9/54**; **C07F 9/6506**; **C07F 9/59**; **C07F 9/72**; **C07F 9/6539**; **A61K 9/127**; **C12N 15/87**

IPC 8 full level  
**A61K 9/127** (2006.01); **A61K 9/133** (2006.01); **C07F 9/24** (2006.01); **C07F 9/54** (2006.01); **C07F 9/59** (2006.01); **C07F 9/6506** (2006.01); **C07F 9/6539** (2006.01); **C07F 9/72** (2006.01); **C12N 15/87** (2006.01)

CPC (source: EP US)  
**A61K 9/1272** (2013.01 - EP US); **C07F 9/2458** (2013.01 - EP US); **C07F 9/5407** (2013.01 - EP US); **C07F 9/59** (2013.01 - EP US); **C07F 9/6506** (2013.01 - EP US); **C07F 9/6539** (2013.01 - EP US); **C07F 9/72** (2013.01 - EP US); **C12N 15/87** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004043970A1

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