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(54) **NOVEL CYCLIC CATIONIC LIPIDS AND METHODS OF USE**

Publication Classification

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(52) **U.S. Cl.**
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435/375

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(57) **ABSTRACT**

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The present invention provides compositions and methods for the delivery of therapeutic agents to cells. In particular, these include novel cationic lipids and nucleic acid-lipid particles that provide efficient encapsulation of nucleic acids and efficient delivery of the encapsulated nucleic acid to cells in vivo. The compositions of the present invention are highly potent, thereby allowing effective knock-down of a specific target protein at relatively low doses. In addition, the compositions and methods of the present invention are less toxic and provide a greater therapeutic index compared to compositions and methods previously known in the art.

(30) **Foreign Application Priority Data**

May 12, 2010 (US) 61334096

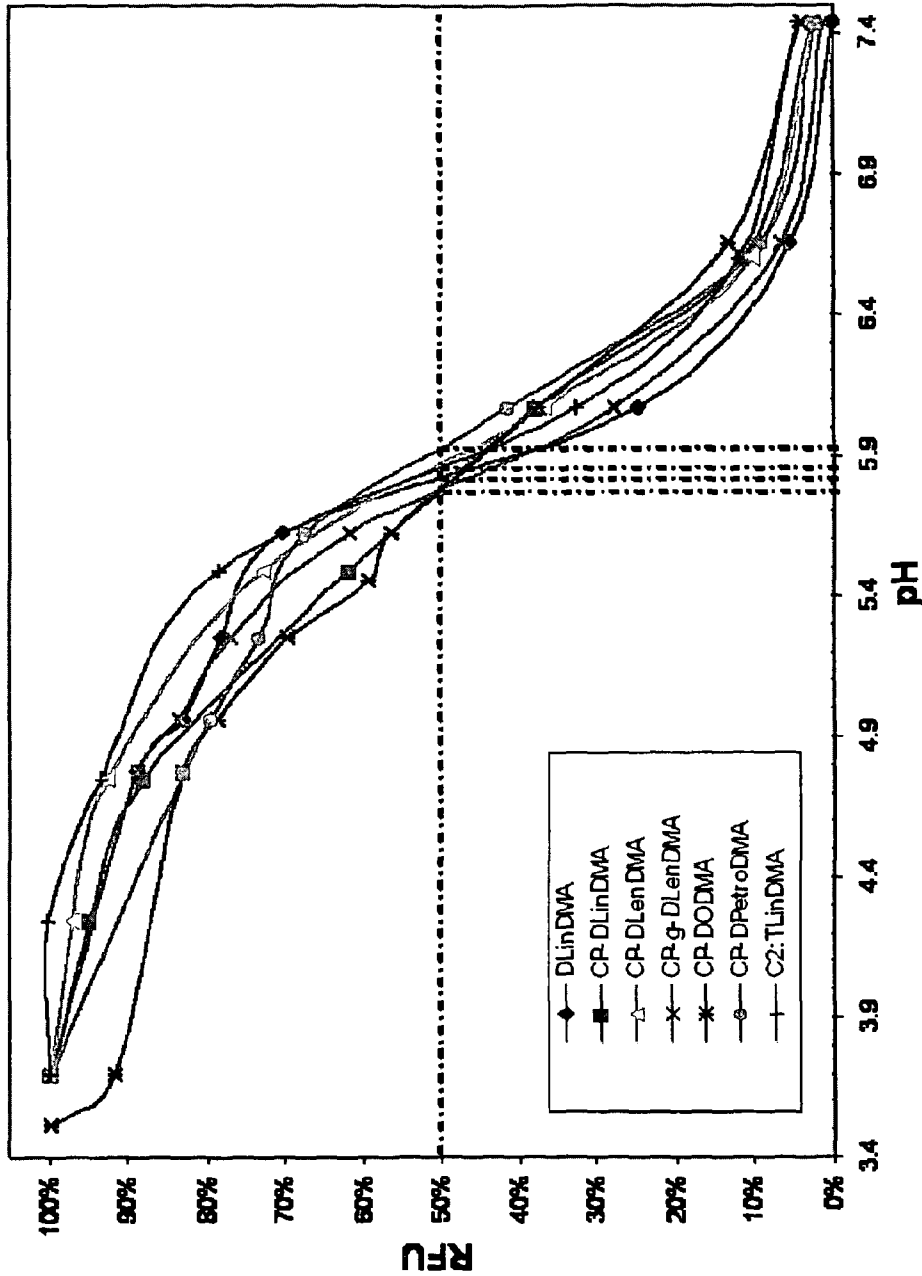


FIG. 1

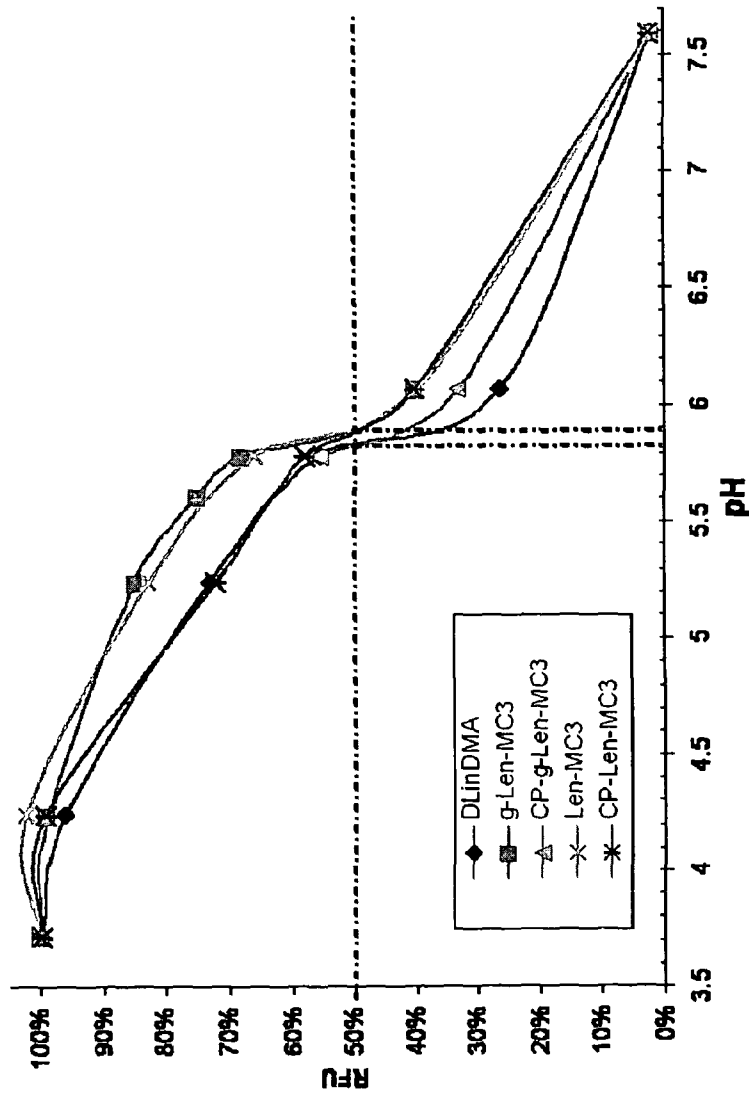


FIG. 2

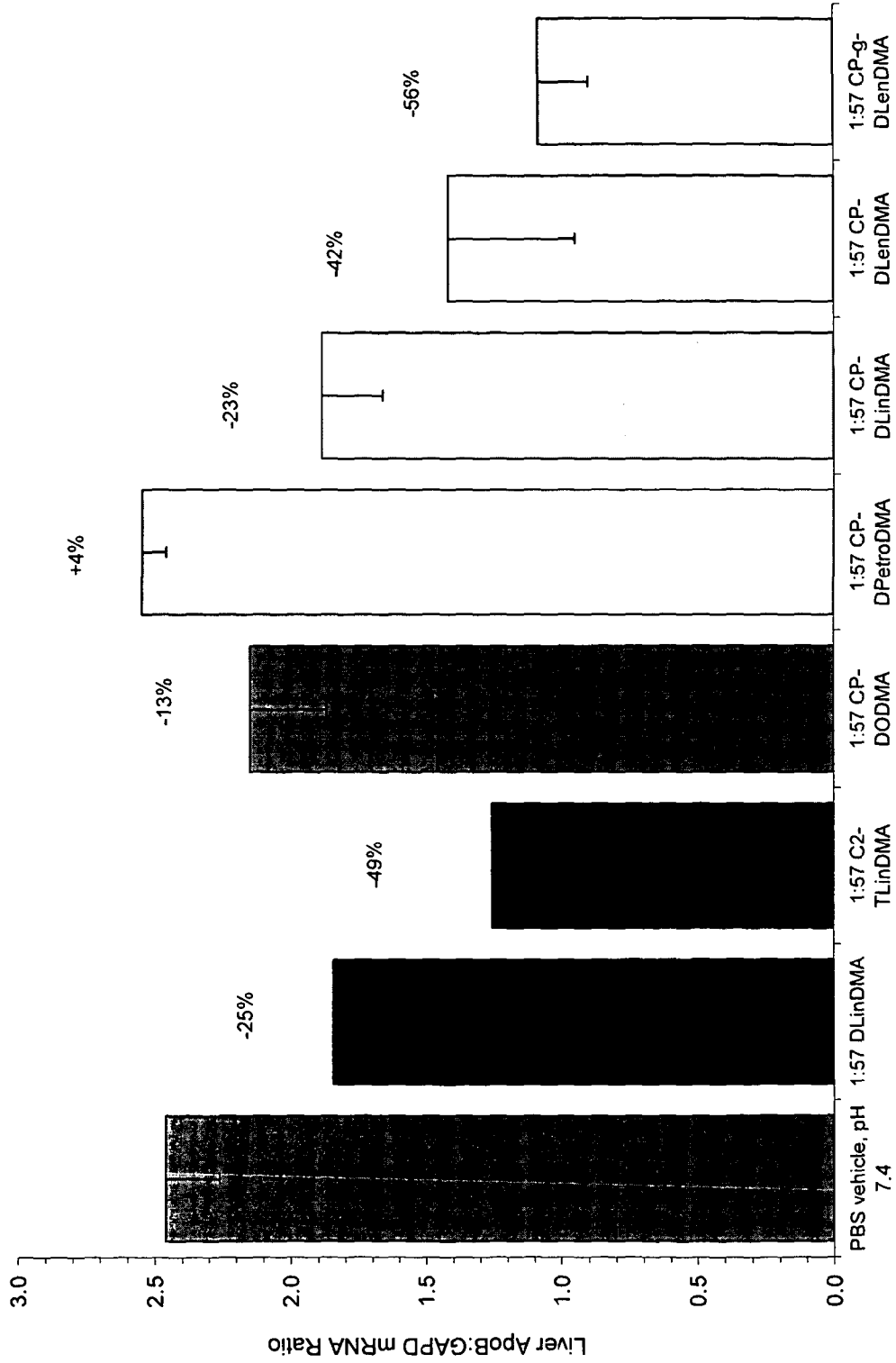


FIG. 3

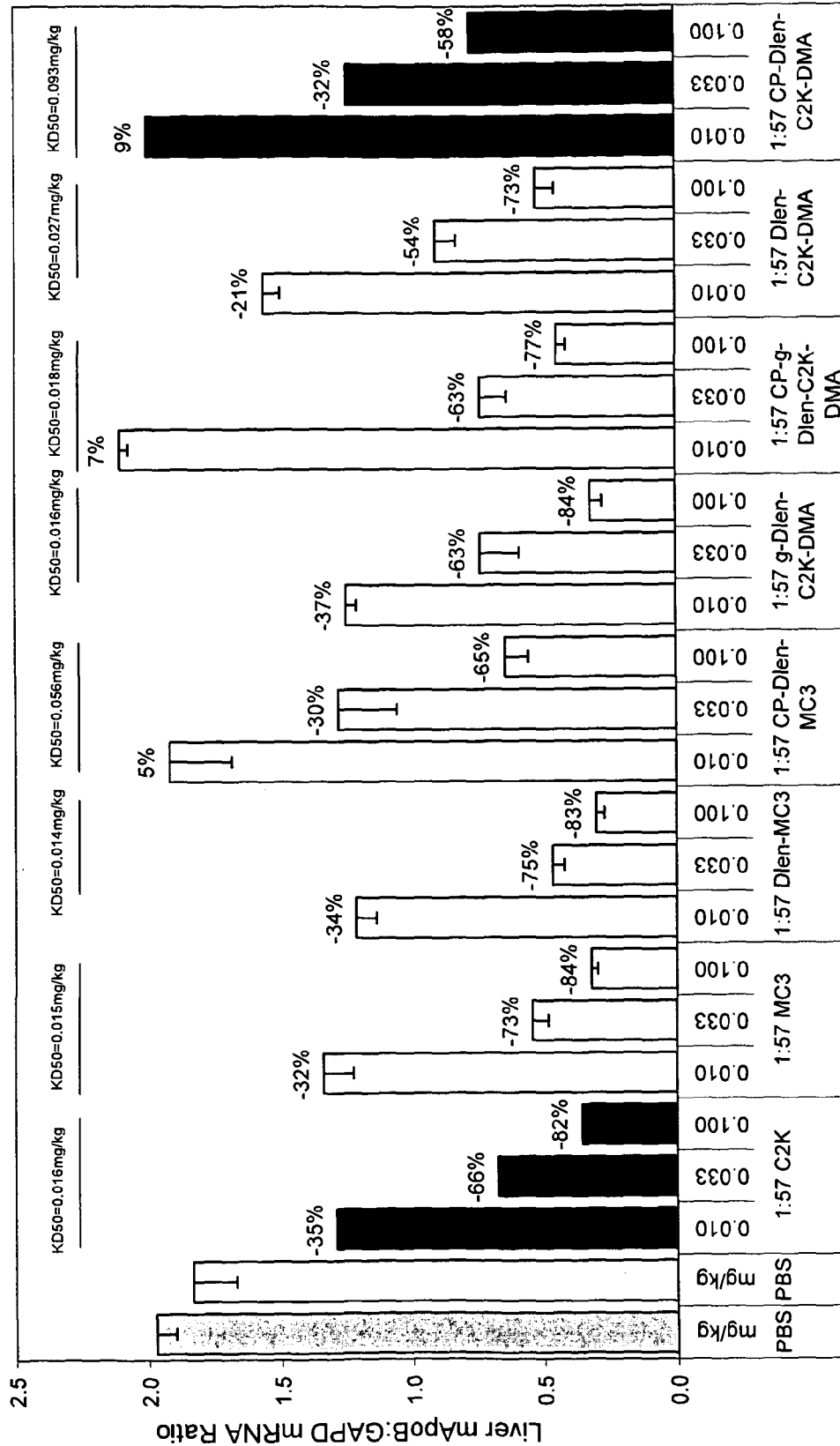


FIG. 4

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