

Title (en)
DELIVERY OF PHOSPHOINOSITIDE POLYPHOSPHATES INTO CELLS

Title (de)
ZUFÜHRUNG VON PHOSPHOINOSTIDIDPOLYPHOSPHATEN INS ZELLINNERE

Title (fr)
ADMINISTRATION DE POLYPHOSPHATES PHOSPHOINOSITIDES DANS LES CELLULES

Publication
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Application
EP 99952984 A 19990929

Priority

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- US 39629699 A 19990915

Abstract (en)
[origin: WO0018949A2] A method for facilitating delivery of a phosphatidylinositol polyphosphate or derivative thereof into a eukaryotic cell is disclosed. The method includes forming a complex of the phosphatidylinositol polyphosphate or derivative with a polyamine, and then contacting the cell with the complex. Preferred polyamines include aminoglycosides, dendrimeric polyamines, and histones. Compositions of matter for use in the method are also described. A method for screening compounds for minimum toxicity to eukaryotic cells and maximum toxicity to bacterial cells is also disclosed. Also disclosed is a method for monitoring calcium flux in a cell.

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Citation (search report)

- [X] US 4897384 A 19900130 - JANOFF ANDREW S [US], et al
- [X] GABEV E ET AL: "BINDING OF NEOMYCIN TO PHOSPHATIDYLINOSITOL 4,5-BISPHOSPHATE (PIP₂)", BIOCHIMICA ET BIOPHYSICA ACTA. BIOMEMBRANES, AMSTERDAM, NL, vol. 979, 1989, pages 105 - 112, XP001022649, ISSN: 0005-2736
- See references of WO 0018949A2

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