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(54) Title: USE OF LIPID CONJUGATES IN THE TREATMENT OF DISEASE

(57) Abstract: The invention provides novel methods for treating disease based on the medicinal use of lipids and phospholipids covalently bound to physiologically acceptable monomers or polymers. Phosphatidylethanolamine moieties conjugated to physiologically acceptable monomers and polymers (PE conjugates) manifest an unexpectedly wide range of pharmacological effects, including stabilizing cell membranes; limiting oxidative damage to cell and blood components; limiting cell proliferation, cell extravasation and (tumor) cell migratory behavior; suppressing immune responses; and attenuating physiological reactions to stress, as expressed in elevated chemokine levels.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/70, 31/715, 31/727, 31/695; C07H 5/04, 5/06, 21/00, 13/04; C08B 37/08, 37/10
US CL : 514/42, 53, 54, 56, 57, 61, 63; 536/18.7, 20, 21, 22.1, 29.1, 58, 60, 63, 123.1, 123.13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/42, 53, 54, 56, 57, 61, 63; 536/18.7, 20, 21, 22.1, 29.1, 58, 60, 63, 123.1, 123.13

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,064,817 A (YEDGAR et al.) 12 November 1991 (12.11.1991), see entire document.	70 ----- 1-42, 46-54, 61-63, 70-79
Y, P --- A	US 6,071,532 A (CHAIKOF et al.) 06 June 2000 (06.06.2000), see entire document.	1-42, 46-54, 61-63, 70-79 ----- 43-45, 55-60, 64-69
Y, P --- A	US 6,162,787 A (SORGENTE et al.) 19 December 2000 (19.12.2000), see entire document.	1-42, 46-54, 61-63, 70-79 ----- 43-45, 55-60, 64-69

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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