

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 June 2006 (29.06.2006)

PCT

(10) International Publication Number
WO 2006/068890 A3

(51) International Patent Classification:
A61K 9/14 (2006.01)

(21) International Application Number:
PCT/US2005/045121

(22) International Filing Date:
13 December 2005 (13.12.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/635,832 14 December 2004 (14.12.2004) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
17 August 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LIPID PARTICLES COMPRISING BIOACTIVE AGENTS, METHODS OF PREPARING AND USES THEREOF

(57) Abstract: The present invention relates to a non-liposomal lipid particle comprising an amphiphile-coated complex of a hydrophobic bioactive agent and an inerted hexagonal phase forming lipid, and methods of preparing and kits thereof.



WO 2006/068890 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/45121

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 9/14(2006.01)

USPC: 424/489

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. : 424/489

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,188,837 A (DOMB) 23 February 1993 (23.02.1993) col. 4, line 54 through col. 5, line 57, Example 4 and claims.	1, 9-13, 24 and 50
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Y		2-8, 14-23, 25-49 and 51-70
Y	US 5,616,334 A (JANOFF et al) 01 April 1997 (01.04.1997) col. 8, line 59 through col. 9, line 48 and examples.	2-8, 14, 16, 18, 22, 26, 29, 30, 32, 34, 36-49, 51-64 and 69-70
Y	US 6,120,795 A (KLIMCHAK et al) 19 September 2000 (19.09.2000) col. 3, lines 43-50.	15, 20, 23, 28, 31 and 36
Y	US 4,877,561 (IGA et al) 31 October 1989 (31.10.1989) Table 3.	17, 21, 25, 29, 30, 33 and 37
Y	US 5,154,930 A (POPESCU et al) 13 October 1992 (13.10.1992) col. 5, lines 20-33, col. 7, lines 16-22.	19, 27 and 35

☒ 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

Date of the actual completion of the international search
18 May 2006 (18.05.2006)

Date of mailing of the international search report
19 JUN 2006

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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/US05/45121**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,827,502 A (KLAVENESS et al) 27 October 1998 (27.10.1998) col. 2, lines 65-67 and Example 24).	65-68

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/45121

Continuation of B. FIELDS SEARCHED Item 3:

West:

Search terms: nonliposomal, lipid complex, liposphere, inverted hexagonal, phospholipids, DDPC, POPG, DMPE, DOPE, gangliosides, sphingomyeline, lyophilize, freeze-dried, cryoprotectant, lactose, grinding, ball mill and jet mill.