



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification <sup>6</sup> : <b>A61K 9/127, 31/47, 31/495</b></p>	<p><b>A3</b></p>	<p>(11) International Publication Number: <b>WO 99/51202</b></p> <p>(43) International Publication Date: 14 October 1999 (14.10.99)</p>
<p>(21) International Application Number: PCT/US99/06500</p> <p>(22) International Filing Date: 24 March 1999 (24.03.99)</p> <p>(30) Priority Data: 09/054,857                      2 April 1998 (02.04.98)                      US</p> <p>(71) Applicant (for all designated States except US): SEQUUS PHARMACEUTICALS, INC. [US/US]; 960 Hamilton Court, Menlo Park, CA 94025 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): GUO, Luke, S., S. [US/US]; 3452 Silver Springs, Lafayette, CA 94545 (US). GITTELMAN, Josh [US/US]; 185 Nimitz Avenue, Redwood City, CA 94061 (US). ZALIPSKY, Samuel [US/US]; 1202 Truman Street, Redwood City, CA 94061 (US). MARTIN, Francis, J. [US/US]; 160 San Fernando Way, San Francisco, CA 94127 (US).</p> <p>(74) Agents: MOHR, Judy, M. et al.; Dehlinger &amp; Associates, P.O. Box 60850, Palo Alto, CA 94306-0850 (US).</p>	<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 18 November 1999 (18.11.99)</p>	
<p>(54) Title: QUINOLONE CONTAINING LIPOSOMES AND THEIR USE AS ANTIBACTERIAL AGENTS</p>		
<p>(57) Abstract</p> <p>A liposome composition for treating a bacterial infection is described. The composition includes liposomes having a surface coating of hydrophilic polymer chains and an entrapped drug-conjugate composed of a quinolone compound conjugated to an amino acid.</p>		

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 99/06500

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 6 A61K9/127 A61K31/47 A61K31/495

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)  
IPC 6 A61K

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 practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	WO 98 18450 A (LEENHOUTS JOHANNA MARIA ; UNIV BRITISH COLUMBIA (CA); BOMAN NANCY ( ) 7 May 1998 * claims 10-12 *	1-13
Y	WO 96 25147 A (SEQUUS PHARM INC) 22 August 1996 * p.3, 1.14-15, 1.26-28; p.6, 1.33-34; p.9, 1.5-6; p.10, 1.11-24; claims 1-3, 6, 9, 18-20 *	1-13
Y	WO 98 07409 A (SEQUUS PHARM INC) 26 February 1998 * claims 1-4, 10 *	1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search  <b>19 July 1999</b>	Date of mailing of the international search report  <b>12/10/1999</b>
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <b>Uiber, P</b>
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INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 99/06500

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96 26715 A (UNIV BRITISH COLUMBIA) 6 September 1996 cited in the application * claims 1-3, 5, 7 and 19-23 * -----	1-13
A	US 5 595 756 A (BALLY MARCEL B ET AL) 21 January 1997 * see 1st col., preamble; claims 1-10 * -----	1-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US 99/06500
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