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A61K 38/38 (2006.01)**HAKANSSON, Hazeline**; 136 Shellridge Drive, East Amherst, NY 14051 (US).(21) International Application Number:
PCT/US2013/049437(74) **Agents: WATT, Rachel, S.** et al.; HODGSON RUSS LLP, The Guaranty Building, 140 Pearl Street, Suite 100, Buffalo, NY 14202-4040 (US).(22) International Filing Date:
5 July 2013 (05.07.2013)(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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61/668,390 5 July 2012 (05.07.2012) US(71) **Applicant: THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK [US/US]**; University At Buffalo, Office Of Science, Technology Transfer and Economic Outreach, Baird Research Park, Suite 111, 1576 Sweet Home Road, Amherst, NY 14228-2567 (US).(72) **Inventors: HAKANSSON, Anders, P.**; 136 Shellridge Drive, East Amherst, NY 14051 (US). **MARKS, Laura, R.**; 131 Brinton Street, Buffalo, NY 14214 (US).(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

[Continued on next page]

(54) Title: POTENTIATION OF ANTIBIOTIC TREATMENT WITH A PROTEIN-LIPID COMPLEX

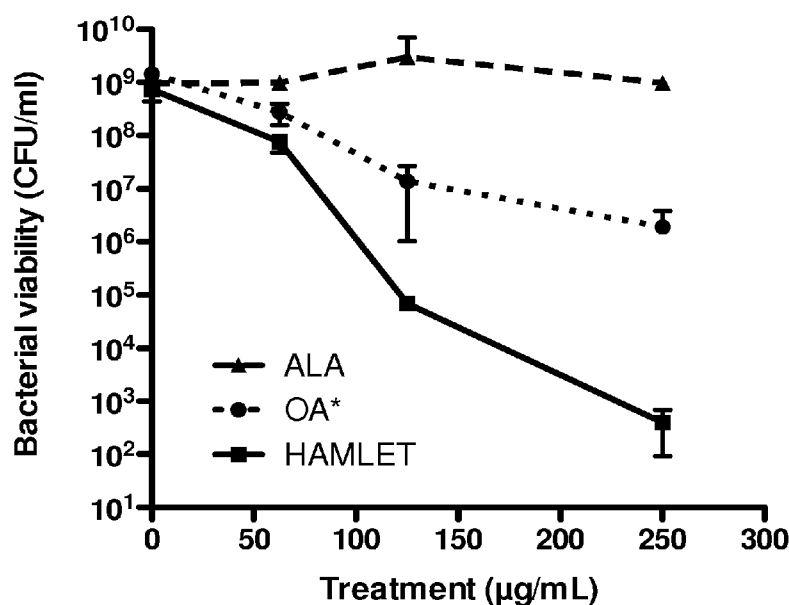


Figure 1

(57) **Abstract:** Provided are compositions and methods for potentiating the effect of antibiotics. The compositions comprise a non-covalent complex of alpha-lactalbumin and fatty acid. The fatty acids are cis, unsaturated, C14 to C20 fatty acids. The complex and antibiotic can be administered to an individual together or separately. The antibiotic may be one to which resistance has developed.



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 38/38 (2013.01)

USPC - 514/15.2

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(8) - A61K 38/00, 38/16, 38/17, 38/38; A61P 31/00 (2013.01)

USPC - 514/1, 13.5, 15.2, 773, 776; 530/362, 365

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

CPC - A61K 38/00, 38/16, 38/17, 38/38 (2013.01)

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

Orbit.com, Google Patents, Public AppFT and PatFT, Google Scholar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0029557 A1 (SIGH et al) 04 February 2010 (04.02.2010) entire document	1-13
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Y		14-20
Y	WO 2011/075691 A1 (LEIGHTON et al) 23 June 2011 (23.06.2011) entire document	14-20

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

* Special categories of cited documents:

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"&" document member of the same patent family

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17 December 2013

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