



(51) International Patent Classification:

C07D 311/86 (2006.01) *A61K 31/541* (2006.01)
A61K 31/403 (2006.01) *A61K 31/5355* (2006.01)
A61K 31/4178 (2006.01) *A61K 31/352* (2006.01)
A61K 31/4025 (2006.01) *C07D 405/10* (2006.01)
A61K 31/4433 (2006.01) *C07D 417/10* (2006.01)
A61K 31/496 (2006.01) *C07D 413/10* (2006.01)

(21) International Application Number:

PCT/SG2012/000328

(22) International Filing Date:

10 September 2012 (10.09.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

201106479-7 8 September 2011 (08.09.2011) SG

(71) Applicants (for all designated States except US):

AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH [SG/SG]; 1 Fusionopolis Way, #20-10 Connexis, Singapore 138632 (SG). SINGAPORE HEALTH SERVICES PTE LTD [SG/SG]; 31 Third Hospital Avenue, #03-03 Bowyer Block C, Singapore 168753 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ZOU, Hanxun [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC

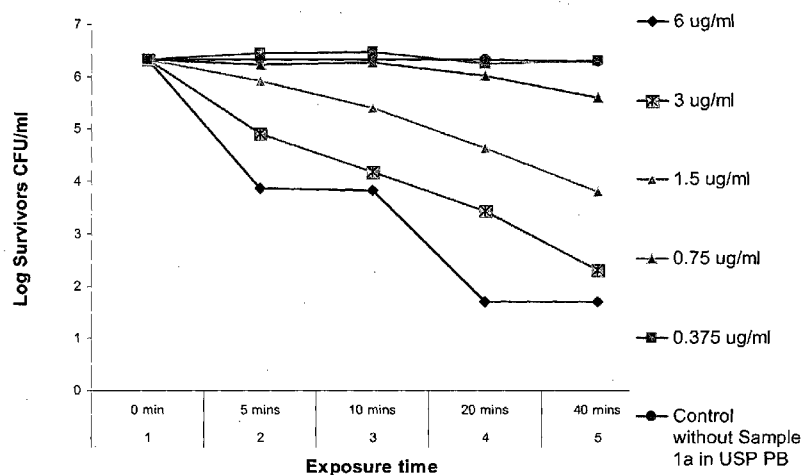
Building, Singapore 168751 (SG). RAJANMANI, Lakshminiarayan [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG). ZHOU, Lei [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG). TANG, Chang Chui Charles [SG/SG]; c/o Department of Pathology, Singapore General Hospital, Outram Road, Singapore 169608 (SG). KOH, Jun Jie [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG). TAN, Tiang Hwee Donald [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG). VERMA, Chandra [SG/SG]; c/o Bioinformatics Institute, #07-01 Matrix, Singapore 138671 (SG). BEUERMAN, Roger W. [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG). LIU, Shouping [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG). PADMANABHAN, Saraswathi [SG/SG]; c/o 11 Third Hospital Avenue, #05-00 SNEC Building, Singapore 168751 (SG).

(74) Agent: ELLA CHEONG SPRUSON & FERGUSON (SINGAPORE) PTE LTD; Robinson Road Post Office, P.O. Box 1531, Singapore 903031 (SG).

(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,

[Continued on next page]

(54) Title: DERIVATIVES OF XANTHONE COMPOUNDS



(57) Abstract: The present invention relates to xanthone analogs. Such compounds may be used in the treatment of bacterial infections.



HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, 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.

UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, 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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(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,

Published:

— *with international search report (Art. 21(3))*