

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 January 2008 (24.01.2008)

PCT

(10) International Publication Number
WO 2008/010776 A1

(51) International Patent Classification:

C07D 313/00 (2006.01) A61K 31/335 (2006.01)
A61P 31/00 (2006.01) A61P 33/06 (2006.01)
C07G 11/00 (2006.01)

(21) International Application Number:

PCT/SG2007/000216

(22) International Filing Date: 20 July 2007 (20.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/829,005 21 July 2006 (21.07.2006) US

(71) Applicant (for all designated States except US):
AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH [SG/SG]; 20 Biopolis Way, #07-01 Centros, Singapore 138668 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHEN, Anqi** [CN/SG]; 1 Pesek Road, Jurong Island, Singapore 627833 (SG). **NGUYEN, Quang Vu** [VN/SG]; 1 Pesek Road, Jurong Island, Singapore 627833 (SG).

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

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

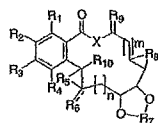
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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:

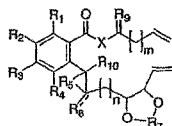
— with international search report

[Continued on next page]

(54) Title: AIGIALOMYCIN D AND DERIVATIVES THEREOF AND THEIR USE IN TREATING CANCER OR MALARIA OR A MICROBIAL INFECTION



(2)



(3)

(57) Abstract: The invention describes a process for making compound (2), comprising the step of cyclising diene (3). Compound (2) may be aigialomycin D or a derivative thereof or may be elaborated to make aigialomycin D or derivative thereof. Furthermore compound (2) or derivative thereof can be used in treating cancer or malaria or a microbial infection.

WO 2008/010776 A1



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.