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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 May 2001 (03.05.2001)

PCT

(10) International Publication Number
WO 01/30795 A1

(51) International Patent Classification[7]: C07H 15/26, A61K 31/70, A61P 31/04

(21) International Application Number: PCT/IB00/01461

(22) International Filing Date: 9 October 2000 (09.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/162,581 29 October 1999 (29.10.1999) US

(71) Applicant *(for all designated States except US)*: **PFIZER PRODUCTS INC.** [US/US]; Eastern Point Road, Groton, CT 06340 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BRIGHTY, Katherine, Elizabeth** [US/US]; Pfizer Central Research, Eastern Point Road, Groton, CT 06340 (US). **LINDE, Robert, Gerald, II** [US/US]; Pfizer Central Research, Eastern Point Road, Groton, CT 06340 (US). **HAYWARD, Matthew, Merrill** [US/US]; Pfizer Central Research, Eastern Point Road, Groton, CT 06340 (US). **KANEKO, Takushi** [JP/US]; Pfizer Central Research, Eastern Point Road, Groton, CT 06340 (US).

(74) Agents: **SPIEGEL, Allen, J.** et al.; Pfizer Inc., 235 East 42nd Street, New York, NY 10017 (US).

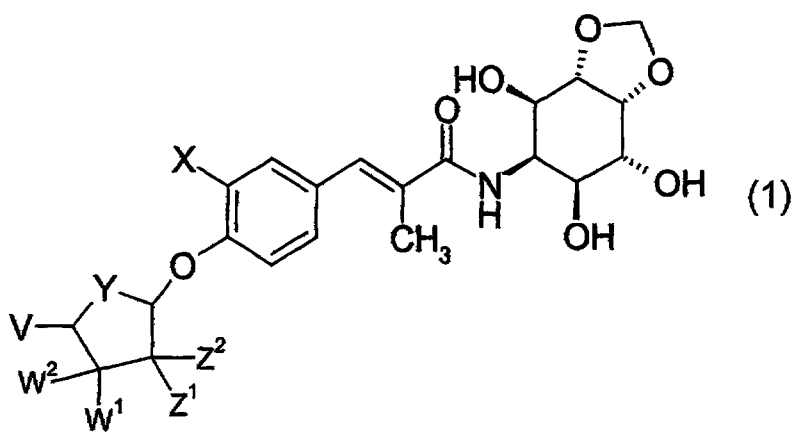
(81) Designated States *(national)*: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, 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).

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.*

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: HYGROMYCIN DERIVATIVES



(1)

(57) Abstract: The present invention relates to compounds of formula (1) and to pharmaceutically acceptable salts, prodrugs and solvates thereof, wherein X, Y, V, W^1, W^2, Z^1 and Z^2 are as defined herein. The invention also relates to pharmaceutical compositions containing the above compounds and to methods of treating bacterial and protozoal infections in mammals by administering the above compounds.

WO 01/30795 A1