200001368-0
IPOS ref

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 401/04, A61K 31/47 — A1

(11) International Publication Number: **WO 99/14214**

(43) International Publication Date: 25 March 1999 (25.03.99)

(21) International Application Number: PCT/US98/19138

(22) International Filing Date: 15 September 1998 (15.09.98)

(30) Priority Data:

60/058,891	15 September 1997 (15.09.97)	US
09/139,859	25 August 1998 (25.08.98)	US

(71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors: LEDOUSSAL, Benoit; 6569 Indianwood Boulevard, Mason, OH 45040 (US). ALMSTEAD, Ji-In, Kim; 6348 Trail Ridge Court, Loveland, OH 45140 (US). GRAY, Jeffrey, Lyle; 11313 Enyart Road, Loveland, OH 45140 (US). HU, Xiufeng, Eric; 10678 Indianwood Drive, Cincinnati, OH 45242 (US).

(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, GH, GM, HR, HU, ID, IL, 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, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, 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).

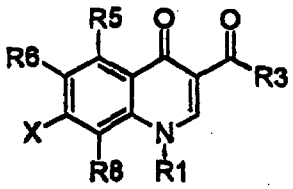
Published

With international search report.

(54) Title: ANTIMICROBIAL QUINOLONES, THEIR COMPOSITIONS AND USES

(57) Abstract

This invention relates to novel antimicrobial compounds of formula (1) wherein X, R_1, R_3, R_5, R_6 and R_8 are defined in the claims, and to their optical isomers, diastereomers or enantiomers, as well as pharmaceutically-acceptable salts, hydrates, and biohydrolyzable esters, amides and imides thereof, and to compositions and uses of such compounds. The invention also relates to compounds derived from these compounds having antimicrobial uses.



(1)