

10 JUN 2002  
2002040319

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

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
26 July 2001 (26.07.2001)

PCT

(10) International Publication Number  
**WO 01/53273 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 239/96**,  
403/04, 471/04, 471/06, 498/06, 403/14, 519/00, 487/04,  
487/10, 413/04, 417/04, 409/04, A61K 31/505, A61P  
31/04

(21) International Application Number: PCT/US00/33656

(22) International Filing Date:  
12 December 2000 (12.12.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/178,252 24 January 2000 (24.01.2000) US  
60/241,267 18 October 2000 (18.10.2000) US

(71) Applicant (for all designated States except US):  
**WARNER-LAMBERT COMPANY** [US/US]; 201  
Tabor Road, Morris Plains, NJ 07950 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BIRD, Paul**  
[CA/CA]; 11407-73 Avenue, Edmonton, Alberta T6G  
0E2 (CA). **ELLSWORTH, Edmund, Lee** [US/US]; 6899  
Kestrel Court, Brighton, MI 48116 (US). **NGUYEN, Dai,**  
**Quoc** [CA/CA]; 4928-13 Avenue, Edmonton, Alberta T6L  
6J9 (CA). **SANCHEZ, Joseph, Peter** [US/US]; 22372  
Antler Drive, Novi, MI 48050 (US). **SHOWALTER,**  
**Howard, Daniel, Hollis** [US/US]; 3578 Lamplighter

Drive, Ann Arbor, MI 48103 (US). **SINGH, Rajeshwar**  
[CA/CA]; 7927 22nd Avenue, Edmonton, Alberta T6K  
1Z2 (CA). **STIER, Michael, Andrew** [US/US]; 4886  
Club Place, Ypsilanti, MI 48197 (US). **TRAN, Tuan,**  
**Phong** [US/US]; 43517 Argonne Court, Canton, MI 48188  
(US). **WATSON, Brian, Morgan** [US/US]; 3816 Brian  
Place, Carmel, IN 46033 (US). **YIP, Judy** [CA/CA]; #306,  
4607-20 Avenue, Edmonton, Alberta T6L 5W7 (CA).

(74) Agents: **FEDERMAN, Evan, J.**; Warner-Lambert Com-  
pany, 201 Tabor Road, Morris Plains, NJ 07950 et al. (US).

(81) Designated States (national): AE, AG, AL, AU, BA, BB,  
BG, BR, BZ, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE,  
HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV,  
MA, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI,  
SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA.

(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, TR), OAPI patent (BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.



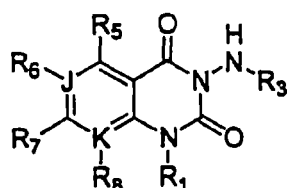
\*162162\*



\*ACTION\*

WO 01/53273 A1

(54) Title: 3-AMINOQUINAZOLIN-2,4-DIONE ANTIBACTERIAL AGENTS



(I)

(57) Abstract: Antibacterial 3-aminoquinazolin-2,4-diones have formula (I) wherein: R<sub>1</sub> and R<sub>3</sub> include alkyl, alkenyl, alkynyl, cycloalkyl, aryl, hetero-  
cyclic, and heteroaryl; R<sub>5</sub>, R<sub>6</sub>, and R<sub>8</sub> include H, alkyl, alkoxy, halo, NO<sub>2</sub>, CN,  
NH<sub>2</sub>, alkyl and dialkylamino; R<sub>7</sub> includes hydrogen, alkyl, cycloalkyl, hetero-  
cyclic, fused heterocyclic, aryl and fused aryl; J and K are C or N; and pharma-  
ceutically acceptable salts thereof.