

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 July 2008 (03.07.2008)

PCT

(10) International Publication Number
WO 2008/079460 A3

(51) International Patent Classification:
A61K 31/33 (2006.01)

(21) International Application Number:
PCT/US2007/077578

(22) International Filing Date:
5 September 2007 (05.09.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/824,540 5 September 2006 (05.09.2006) US

(71) Applicant (for all designated States except US): **EMORY UNIVERSITY** [US/US]; 1599 Clifton Road, NE, Fourth Floor, Mail Stop 1599-001-IAZ, Atlanta, GA 30322 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **KALMAN, Daniel** [US/US]; 3243 Wake Robin Trail, Atlanta, GA 30341 (US).

(74) Agents: **MCKEON, Tina, Williams** et al; Fish & Richardson PC, P.O. Box 1022, Minneapolis, MN 55440-1022 (US).

(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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
16 October 2008

(54) Title: TYROSINE KINASE INHIBITORS FOR PREVENTION OR TREATMENT OF INFECTION

(57) Abstract: The present invention provides compositions and methods of use thereof to prevent and/or treat pathogenic infection. In particular, the present invention provides the use of kinase inhibitors to inhibit kinases that involve in pathogen-host cell interactions that are associated with or cause pathogenic infections, therefore, to effectively prevent and/or treat pathogenic infections with far less likely to engender resistance as compared to conventional antibiotics and anti-viral drugs. The present invention further provides the use of kinase inhibitors for the treatment of acute pathogenic infections for a short period of time to avoid toxicities that may caused by long term use of these kinase inhibitors.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/77578

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A61K** 31/33(2006.01)

USPC: 514/183

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/183

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	U S 2003/0032596 A 1 (SCHNEIDER et al.) 13 February 2003 (13.02.2003) see paragraphs 14-16.	1-16

Further documents are listed in the continuation of Box C.

D

See patent family annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

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"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

23 June 2008 (23.06.2008)

Date of mailing of the international search report

05 AUG 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn ISA/US
Commissioner for Patents
P O Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

/Ardin Marschel/
Supervisory Patent Examiner, Art Unit 1614

Telephone No. (571) 272-0600

Continuation of B. FIELDS SEARCHED Item 3:

STN file reg, WEST 2.2.2, search terms antimicrobial, tyrosine kinase inhibitor, Src or Abl, antimicrobial or antiviral, WBZ?3, Eph?, Apck?, LG2?