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.
INTERNATIONAL SEARCH REPORT

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

<table>
<thead>
<tr>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
</table>

Further documents are listed in the continuation of Box C.

D. See patent family annex.

Date of the actual completion of the international search
23 June 2008 (23.06.2008)

Date of mailing of this International Search Report
05 Aug 2008

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Form PCT/ISA/210 (second sheet) (April 2007)
INTERNATIONAL SEARCH REPORT

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?

Form PCT/ISA/210 (extra sheet) (April 2007)