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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,
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FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
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- (88) **Date of publication of the international search report:**
2 October 2008



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(54) **Title:** NOVEL FUSION COMPOUNDS

(57) **Abstract:** The present invention relates to novel compounds derived from compounds having antibiotic activities. The invention further provides compositions comprising a compound of this invention and the use of such compositions in methods of treating diseases and conditions beneficially treated by anti-infective agents, particularly those relating to the management of bacterial infection.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US08/01092

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **C07D 401/14(2006.01),403/14(2006.01);A61K 31/496(2006.01)**

 USPC: **544/363;514/255.05**
 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. : 544/363;514/255.05

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)
 STN CAPLUS, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/0119269 A1 (RAO et al) 2 June 2005 (02.06.2005), pp. 16-40, 69-72, 80-83, and 106-112.	1
A	DA SILVA et al. "Biological Activity and Synthetic Metodologies for the Preparation of Fluoroquinolones, A Class of Potent Antibacterial Agents", Current Medicinal Chemistry, 2003, Vol. 10, pp. 21-39, especially pp. 21-23 and 27-32.	1

Further documents are listed in the continuation of Box C. 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	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"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
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 27 May 2008 (27.05.2008)	Date of mailing of the international search report 03 JUL 2008
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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 Michael P. Barker <i>F. Roberts for</i> Telephone No. (571) 272-4341
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US08/01092

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 2-29
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
Please See Continuation Sheet

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
 2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US08/01092

Continuation of Box II Reason 2:

The numerous variables, e.g. any RecA inhibitor bonded to any therapeutic compound, etc. and their voluminous and complex meanings and resulting permutations and combinations make it impossible to determine the full scope and complete meaning of the claimed subject matter. As presented, the claimed subject matter cannot be regarded as being clear and concise description for which protection is sought. As such, the listed claims do not comply with the requirements of PCT Article 6. Since it is impossible to carry out a meaningful search on the entirety of the claims, a search will be carried out on the first discernable invention, disclosed at p. 24 of the Description, encompassed by Claim 1.