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(74) Agents: **BOONE, David, E.** et al.; Theravance, Inc., 901
Gateway Boulevard, South San Francisco, CA 94080 (US).

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(71) Applicant (for all designated States except US): **THER-
AVANCE, INC.** [US/US]; 901 Gateway Boulevard, South
San Francisco, CA 94080 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FATHEREE, Paul**
[US/US]; 921 Minnesota Street, San Francisco, CA 94107
(US). **LINSELL, Martin, S.** [GB/US]; 37 Coso Avenue,
San Francisco, CA 94110 (US). **LONG, Daniel, D.**
[GB/US]; 3855 21st Street #3, San Francisco, CA 94114
(US). **MARQUESS, Daniel** [GB/US]; 2037 Touraine
Lane, Half Moon Bay, CA 94019 (US). **MORAN, Ed-
mund, J.** [CA/US]; 131 Chaves, San Francisco, CA 94127
(US). **NODWELL, Matthew, B.** [CA/CA]; #6, 1345 West
11th, Vancouver, B.C, V6H 1K7 (CN). **TURNER, S.,
Derek** [US/US]; 804 Fell Street, San Francisco, CA 94117
(US). **AGGEN, James** [US/US]; 1105 Bayswater Avenue
#1, Burlingame, CA 94010 (US).

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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.

(54) Title: CROSS-LINKED GLYCOPEPTIDE-CEPHALOSPORIN ANTIBIOTICS

(57) Abstract: This invention provides cross-linked glycopeptide cephalosporin compounds and pharmaceutically acceptable salts thereof which are useful as antibiotics. This invention also provides pharmaceutical compositions containing such compounds; methods for treating bacterial infections in a mammal using such compounds; and processes and intermediates useful for preparing such compounds.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D501/00 C07K9/00 C07D501/20 A61K31/545 A61K38/04
A61P31/00

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)

IPC 7 C07D C07K A61K A61P

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00 39156 A (ADVANCED MEDICINE INC ;LINSELL MARTIN SHERINGHAM (US); MU YONGQI () 6 July 2000 (2000-07-06) claims ---	1,17-23
A	WO 99 42476 A (ADVANCED MEDICINE INC) 26 August 1999 (1999-08-26) claims --- -/--	1,17-23

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

° Special categories of cited documents :

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

E earlier document but published on or after the international filing date

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)

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

P document published prior to the international filing date but later than the priority date claimed

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

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

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.

G document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Chouly, J

INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CHEMICAL ABSTRACTS, vol. 86, no. 5, 31 January 1977 (1977-01-31) Columbus, Ohio, US; abstract no. 26406, HAMMES W.P.: "Biosynthesis of peptidoglycan in Gaffkya homari. The mode of action of penicillin G and mecillinam" XP002245292 abstract & EUR. J. BIOCHEM., vol. 70, no. 1, 1976, pages 107-113, -----	1,19
A	WO 99 64049 A (ADVANCED MEDICINE INC ; GRIFFIN JOHN H (US); MORAN EDMUND J (US); C) 16 December 1999 (1999-12-16) cited in the application claims -----	1,17-23
A	US 5 693 791 A (TRUETT WILLIAM L) 2 December 1997 (1997-12-02) cited in the application claims -----	1,17-23

INTERNATIONAL SEARCH REPORT

PCT/US 02/32534

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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:

Although claims 20-22 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
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:
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 II Observations where unity of invention is lacking (Continuation of item 2 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 an additional fee, this Authority did not invite payment of any additional fee.
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.
- ☐ No protest accompanied the payment of additional search fees.