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Declaration under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

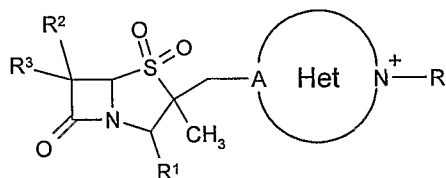
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3 April 2008

(54) Title: NOVEL 2-SUBSTITUTED METHYL PENAM DERIVATIVES



(I)

(57) Abstract: Novel 2-substituted methyl penam derivatives include the formula (I), their analogs, their tautomeric forms, their stereoisomers, their polymorphs, their solvates, their pharmaceutically acceptable salts, and pharmaceutical compositions containing them; wherein A = C or N; Het is a three- to seven-membered heterocyclic ring; R¹ represents carboxylate anion, or -COOR⁴ where R⁴ represents hydrogen, carboxylic acid protecting group or a pharmaceutically acceptable salt; R² and R³ may be same or different and independently represent hydrogen, halogen, amino, alkyl, protected amino, optionally substituted alkyl, alkenyl, alkynyl and the like; R represents substituted or unsubstituted alkyl, alkenyl, aryl, aralkyl, cycloalkyl, heterocyclyl or heterocyclylalkyl.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 2007/001941

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **C07D 499/87** (2006.01); **C07D 499/21** (2006.01); **C07D 499/28** (2006.01);
C07D 499/32 (2006.01)

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)

IPC⁸: **C07D**

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)
WPI, EPODOC, Pubchem, Internet, Registry

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US2005070705 A1 (ORCHID CHEM & PHARM LTD) 31 March 2005 (31.03.2005) <i>*Whole Document*</i>	1-15
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A	US2005228176 A1 (ORCHID CHEM & PHARM LTD) 13 October 2005 (13.10.2005) <i>*Whole Document*</i>	1-15
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A	EP0097446 A1 (TAIHO PHARMACEUTICAL CO LTD) 4 January 1984 (04.01.1984) <i>*Whole Document*</i>	1-15
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☒ 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

"E" earlier application or patent 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

"&" document member of the same patent family

Date of the actual completion of the international search
3 January 2008 (03.01.2008)Date of mailing of the international search report
18 January 2008 (18.01.2008)Name and mailing address of the ISA/ AT
Austrian Patent Office
Dresdner Straße 87, A-1200 ViennaAuthorized officer
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INTERNATIONAL SEARCH REPORT

International application No.
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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	JP60215688 A (TAIHO PHARMACEUTICAL CO LTD et al.) 29 October 1985 (29.10.1985) (abstract). [online] [retrieved on 14.12.2007] Retrieved from: WPI/Thompson Database, DW198549, AN: 1985-100674 [17] <i>*Abstract*</i> ----	1-15

Continuation of first sheet

Continuation N. II:

Observation 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:

Claims Nos.: 15 because they relate to subject matter not required to be searched by this Authority, namely:

Although the subject matters of claim 15 is directed to treatments of the human or animal body, the search as well as the establishment of novelty, inventive step and industrial applicability has been carried out based on the alleged effects of the compound.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2007/001941

Patent document cited in search report			Publication date		Patent family member(s)	Publication date
US	A	2005070705			US A1 2005070705	2005-03-31
US	A	2005228176			US A1 2005228176	2005-10-13
EP	A	0097446			KR B1 900007182B	1990-09-29
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