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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MINICELL DISPLAY AND PRODUCTS THEREFROM

(57) Abstract: A minicell display method has been developed which has significant advantages for screening peptide libraries for candidates that can bind and effectively modulate a particular biological process. The method, based on the small, anucleate minicell, has increased versatility in generating unique sequences to screen as well as increasing the size of the peptides to be screened. In vivo mutagenesis, at the level of protein synthesis, as well as DNA replication, increases diversification of the library to be screened and therefore substantially increases the number of potential peptides that can modulate a particular biological response or mechanism. A number of representative peptides have been generated using this methodology and demonstrated to have desirable biological and pharmaceutical activities.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/14096

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/06, 38/08; C07K 7/04, 5/08

US CL : 530/324

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. : 530/324

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.
X	WO 00/63236 A2 (CHILDREN'S MEDICAL CENTER CORPORATION) 26 October 2000 (26.10.2000), see pages 9-10, 20-27 and 26-29	1-19
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Y		20-27
X	WO 00/63247 A2 (CHILDREN'S MEDICAL CENTER CORPORATION) 26 October 2000 (26.10.2000), see pages 35-43.	1-19
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Y		20-27
A	WO 98/07750 A1 (CHILDREN'S MEDICAL CENTER CORPORATION) 26 February 1998 (26.02.1998), see entire document.	1-27

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Further documents are listed in the continuation of Box C.

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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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"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

26 February 2004 (26.02.2004)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

PCT/US03/14096

Continuation of B. FIELDS SEARCHED Item 3:

STN WEST MEDLINE BIOSIS CAPLUS

search terms: adhesion, modulatory, peptide, coat, target, osteopontin