Title: ANTIMICROBIAL CARBOHYDRATES AND METHODS OF USING SAME

Abstract: Compositions useful for inhibiting the growth of bacteria, including bacteria that can cause gastric ulcers, are provided. In addition, transgenic organism that can produce such compositions are provided. Methods of using the compositions to treat or prevent gastric ulcers in a subject, including a human subject, also are provided.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): C07H 1/00(2006.01),9/00(2006.01),5/04(2006.01),5/06(2006.01);C07G 11/00(2006.01);A01K 67/027(2006.01);C12P 21/00(2006.01),19/60(2006.01);A23C 9/15(2006.01);C12N 9/10(2006.01);A01N 43/04(2006.01);A61K 31/70(2006.01)

USPC: 536/1,11,4,1,22.1,800/14-18.7;426/580;435/74;193;514/23,25,42,62

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.: 536/1,11,4,1,22.1,800/14-18.7;426/580;435/74;193;514/23,25,42,62

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)
EAST, CAPLUS, BIOSIS, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<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.  ☐ See patent family annex.

Date of the actual completion of the international search
20 March 2006 (20.03.2006)

Date of mailing of the international search report
28 APR 2005

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
Deborah Crookes, Ph.D.
Telephone No. 703-272-0500

Form PCT/ISA/210 (second sheet) (April 2005)
<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 5,700,671 A (PRIETO et al) 23 December 1997, column 18, line 55 to column 30, line 2.</td>
<td>1-88</td>
</tr>
</tbody>
</table>