Title: NUCLEOSIDE DERIVATIVES FOR TREATMENT OF CALICIVIRIDAE INFECTIONS, INCLUDING NOROVIRUS INFECTIONS

Abstract: A method and composition for treating a host infected with a Caliciviridae virus, such as a Norovirus, comprising administering an effective treatment amount of a described modified nucleoside or a pharmaceutically acceptable salt thereof, is provided.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

A61K 31/7076(2006.01)i, A61P 31/12(2006.01)i, A61K 38/21(2006.01)i, A61K 9/20(2006.01)i

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 as above

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)
eKOMPASS, Google, PubMed, Scirus

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>
<tbody>
<tr>
<td>X</td>
<td>KLUMPP, K., et al &quot;The Novel Nucleoside Analog R1479 (4'-Azidoacytidine) Is a Potent Inhibitor of NS5B-dependent RNA Synthesis and Hepatitis C Virus Replication in Cell Culture&quot; The Journal of Biological Chemistry. 2006, 281(7), 3793-3799, ISSN: 0021-9258 See Figure 1</td>
<td>48, 49</td>
</tr>
</tbody>
</table>

* Further documents are listed in the continuation of Box C.  
See patent family annex.

Date of the actual completion of the international search
13 JANUARY 2010 (13.01.2010)

Date of mailing of the international search report
14 JANUARY 2010 (14.01.2010)

Name and mailing address of the ISA/KR
Korean Intellectual Property Office
Government Complex-Daejeon, 139-Seonsa-ro, Seogu, Daejeon 302-701, Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer
LEE, MIN JUNG
Telephone No. 82-42-481-5603

Form PCT/ISA/210 (second sheet) (July 2008)
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.: 1-26, 50-52  
   because they relate to subject matter not required to be searched by this Authority, namely:
   Claims 1-26, 50-52 pertain to methods for treatment of the human body by therapy, as well as diagnostic methods, and thus relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.

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 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 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 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.
<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
</table>

Form PCT/ISA/210 (patent family annex) (July 2008)