Title: COMPOSITIONS AND METHODS FOR ENHANCING THE ACTIVITY OF PODOPHYLLOTOXIN

Abstract: A method of increasing an activity of a podophyllotoxin or a derivative thereof is disclosed. The method comprises contacting the podophyllotoxin or the derivative with a liquid composition having a liquid and nanostructures, each of the nanostructures comprising a core material of a nanometric size surrounded by an envelope of ordered fluid molecules, the core material and the envelope of ordered fluid molecules being in a steady physical state, thereby increasing the activity of the podophyllotoxin or the derivative. Pharmaceutical compositions comprising same and uses thereof are also disclosed.
Published:

with international search report (Art. 21(3))
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61K 31/44; A61K 31/675 (2009.01)
USPC - 514/283; 514/80
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)
USPC - 514/283; 514/80

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 514/63; 546/14; 546/22; 546/51; 514/320; 514/422; 514/463; 546/197; 546/526; 546/298 (see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(PGPB,USPT,USOC,EPAB,JPAB), Google Scholar: pharmaceutical composition, liquid, nanostructures, core material, nanometric size, enveloped, ordered fluid molecules, steady physical state, gaseous state, buffering capacity of water, crystalline, anti-neoplastic agents, liposome

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>Y</td>
<td>VENKATESAN et al. Liquid filled nanoparticles as a drug delivery tool for protein therapeutics, Biomaterials Dec 2005, 26(34):7154-63, Abstract only</td>
<td>6 and 23</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search
06 April 2009 (06.04.2009)

Date of mailing of the international search report
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