The present invention provides for compositions or formulations including a curcuminoid and at least one of resveratrol, resveratrol derivative, catechin, or catechin derivative. The present invention also provides for a method of treating any disease or disorder, such as cancers. In particular, the present invention provides methods of treating cervical cancer and precancerous cervical lesions. The present invention also provides methods to treat viral infections. The disclosed compositions or formulations are biologically more active demonstrating strong synergy, functions to activate multiple novel genes. The disclosure further shows that the composition increases cellular uptake of curcumin and are able to stabilize curcumin in an aqueous environment. All these enhanced properties are accomplished by a composition or formulation that is much simpler to manufacture and lower in cost.
A. CLASSIFICATION OF SUBJECT MATTER

IPC(8)- A61K 36/00 (2015.01)
CPC - A61K 36/9066 (2014.1 1)

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(8) - A61K 9/20, 31/05, 36/00; A61P 31/00, 31/18 (2015.01)
CPC - A61K 31/07, 31/333, 31/355, 31/375, 36/9066, 47/00 (2014.1 1) (keyword delimited)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 424/423, 464, 725; 568/645 (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Orbit, Google Patents, Google Scholar

Search terms used: curcuminoid, resveratrol, catechin, cancer, mucoadhesive, vaginal device

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>WO 2012/14251 1 A2 (MD MATRIX HEALTH LLC DBA MD MATRIX HEALTH INC) 18 October 2012 (18.10.2012) entire document</td>
<td>1-8, 10, 11, 13, 15, 17-19, 21-25</td>
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<tr>
<td>Y</td>
<td>WO 2011/01 1721 A2 (AMAZENTIS SA) 27 January 2011 (27.01.2011) entire document</td>
<td>12</td>
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</table>

Further documents are listed in the continuation of Box C.

**A** 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 before 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

Date of the actual completion of the international search: 25 January 2015

Date of mailing of the international search report: 19 FEB 2015

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