Abstract:
The present disclosure is directed to a method of treating a gastrointestinal disorder associated with decreased enteric nerve cell survival and colonic cell motility.
A. CLASSIFICATION OF SUBJECT MATTER

CPC - A61K 2039/505, A61K 38/00

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)
CPC: A61K 2039/505, A61K 38/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 514/12.1, 514/17.7, 514/18.3, 424/145.1

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

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>CHANDRASEKHARAN et al., Targeted Deletion of Neuropeptide Y (NPY) Modulates Experimental Neuropeptide, PLOS One, October 1, 2008, Vol. 3, No. 10, p. 1-11; abstract</td>
<td>14, 15</td>
</tr>
<tr>
<td>Y</td>
<td>US 2008/0108684 A1 (MATSUMOTO et al.) 08 May 2008 (08.05.2008); abstract: para [0004], [0012], [0031]</td>
<td>1-13, 16-25, 31-40, 43-47, 53-62</td>
</tr>
<tr>
<td>Y</td>
<td>US 2008/0187509 A1 (DESIJARLAIS et al.) 07 August 2008 (07.08.2008); para [0002], [0044]</td>
<td>6-9, 17-20, 38-40, 60-62</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

| * | 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 after 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 February 2015 (25.02.2015)
Date of mailing of the international search report: 23 MAR 2015

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: Lee W. Young
PCT Helpdesk: 571-272-4300
PCT/GSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)
Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item 1c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing filed or furnished:
   
   a. □ on paper
      □ in electronic form

   b. (time)
      □ in the international application as filed
      □ together with the international application in electronic form
      □ subsequently to this Authority for the purposes of search

2. □ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:
   No approved electronic sequence listing was submitted in response to the ISA/225 mailed on 28 October 2014. The electronic sequence listing filed on 21 November 2014 contained errors and could not be entered into ISA/US's search system/tool.
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.:
   because they relate to subject matter not required to be searched by this Authority, namely:

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.: 26-30, 41, 42, 48-52, 63, 64
   because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

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 additional fees, this Authority did not invite payment of additional fees.

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.