Abstract: Novel 7,8-saturated-4,5-epoxy-morphinanium analogs are disclosed. Pharmaceutical compositions containing the 7,8-saturated-4,5-epoxy-morphinanium analogs and methods of their pharmaceutical uses are also disclosed. The compounds disclosed are useful, inter alia, as modulators of opioid receptors.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 31/485 (2006.01); C07D 489/02 (2006.01), 489/06 (2006.01)

USPC: 514/282; 546/44, 45, 46

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)

US : 5 14/282, 546/44, 45, 46

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)

STN STRUCTURE SEARCH, FILE CAPLUS

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 2004/043964 A2 (CANTRELL et al) 27 May 2004 (27.05.2004), compounds of formula 2A on page 3</td>
<td>1-32</td>
</tr>
<tr>
<td>X</td>
<td>US 6,825,205 B2 (KYLE, D.J.) 30 November 2004 (30.11.2004), compounds of formula I in claims 1-10.</td>
<td>1, 3, 4, 31</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 29 July 2008 (29 07 2008)

Name and mailing address of the ISA/US

Mail Stop PCT, Attr. ISA/US

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