Title: USE OF PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR (PPAR)-GAMMA LIGANDS AS A TREATMENT FOR PITUITARY TUMORS AND ASSOCIATED CONDITIONS, SUCH AS CUSHING'S SYNDROME

Abstract: Disclosed is a method for treating a pituitary tumor in a mammal, employing the administration of a peroxisome proliferator activated receptor gamma ligand (also known as "peroxisome proliferating-activator receptor gamma" or "PPAR-γ"). In some embodiments, the peroxisome proliferator activated receptor gamma ligand is a thiazolidinedione compound. Also disclosed are methods for preventing the formation of a pituitary tumor in a mammal and for preventing the recurrence of a pituitary tumor in a mammal. Further disclosed is a method for treating a mammal exhibiting one or more symptoms of Cushing's syndrome.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

- IPC(7) : A61K 31/44, 41, 425
- US CL : 514/369, 252, 256, 342, 360, 375, 376

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)

- U.S. : 514/369, 252, 256, 342, 360, 375, 376

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)

- East, Medline, Chemical Abstract

**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>A</td>
<td>US 4,710,370 A (MACY) 01 December 1987, see entire document.</td>
<td>1-15</td>
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<tr>
<td>A</td>
<td>US 6,452,014 A (AKAMA et al) 17 September 2002, see entire document.</td>
<td>1-15</td>
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<tr>
<td>A</td>
<td>US 6,579,893 A (URBAN et al) 17 June 2003, see entire document.</td>
<td>1-15</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search: 30 July 2003 (30.07.2003)

Date of mailing of the international search report: 16 SEP 2003

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Form PCT/ISA/210 (second sheet) (July 1998)
## Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT