Title: LEFLUNOMIDE ANALOGS FOR TREATING RHEUMATOID ARTHRITIS

Abstract: Novel leflunomide analogs were synthesized and evaluated in vivo. Based on the in vivo studies, these analogs are surprisingly effective for treating rheumatoid arthritis.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 261/06; A61K 31/42
US CL : 548/248; 514/378

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. : 548/248; 514/378

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)

CAS ONLINE, EAST

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>US 5,059,614 A (LEPAGE et al) 22 OCTOBER 1991 (22.10.1991), column 7-10 (TABLE)</td>
<td>1-28</td>
</tr>
<tr>
<td>A</td>
<td>US 4,137,321 A (LEEMING et al) 30 June 1979 (30.06.1979):</td>
<td>1</td>
</tr>
</tbody>
</table>

[ ] Further documents are listed in the continuation of Box C.  [ ] See patent family annex.

* 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 published on or after the international filing date
- "L" document which may throw doubts on priority claims(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

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search: 13 August 2003 (13.08.2003)

Date of mailing of the International search report: 20 APR 2004

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. (703)305-3230

Authorized officer: Ghalam M Shameem

Telephone No. (703) 508-1235

Form PCT/ISA/210 (second sheet) (July 1998)