(51) International Patent Classification: C07D 209/14

(21) International Application Number: PCT/US2003/030959

(22) International Filing Date: 12 September 2003 (12.09.2003)

(25) Filing Language: English

(26) Publication Language: English


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Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 24 June 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHENYL-INDOLE COMPOUNDS

(57) Abstract: The present invention is directed to small molecule inhibitors of the IgE response to allergens, which are useful in the treatment of allergy and/or asthma or any diseases where IgE is pathogenic. This invention also relates to phenyl-indole molecules that are cellular proliferation inhibitors and thus are useful as anticancer agents. This invention further relates to small molecules which suppress cytokines and leukocytes.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : C07D 209/14
   US CL : 548/506
   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. : 548/506
   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

C. DOCUMENTS CONSIDERED TO BE RELEVANT
   Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.

* Further documents are listed in the continuation of Box C.  

See patent family annex.

<table>
<thead>
<tr>
<th>Special categories of cited documents</th>
<th>T</th>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;A&quot; document defining the general state of the art which is not considered to be of particular relevance</td>
<td>X</td>
<td>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</td>
</tr>
<tr>
<td>&quot;E&quot; earlier application or patent published on or after the international filing date</td>
<td>Y</td>
<td>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</td>
</tr>
<tr>
<td>&quot;N&quot; document containing description of the invention similar to that claimed</td>
<td>&quot;x&quot;</td>
<td>document member of the same patent family</td>
</tr>
<tr>
<td>&quot;P&quot; document published prior to the international filing date but later than the priority date claimed</td>
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Date of the actual completion of the international search: 02 March 2004 (02.03.2004)

Date of mailing of the international search report: 26 APR 2004

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Form PCT/ISA/210 (second sheet) (July 1998)
### INTERNATIONAL SEARCH REPORT

**Box I** Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. □ Claim Nos.:
   - because they relate to subject matter not required to be searched by this Authority, namely:

2. ✗ Claim Nos.: 1-54 and 56-62
   - 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:
     Please See Continuation Sheet

3. □ Claim Nos.:
   - because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II** Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

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 an additional fee, this Authority did not invite payment of any additional fee.

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.
- □ No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)
Continuation of Item 4 of the first sheet:
The title is too many words.
The new title is "Phenyl-Indole Compounds".

Continuation of Box I Reason 2:
In these claims, the variables (e.g. R, R1, R2, L, M, etc...) and their voluminous complex meanings and their many permutations and combinations make it difficult to determine the full scope and complete meaning of the claimed subject matter. As presented, the claimed subject matter cannot be regarded as being a clear and concise description for which protection is sought and as such the listed claims do not comply with the requirements of PCT article 6. Thus it is impossible to carry out a meaningful search on the same. A search will be made on the invention of claim 55, limited to compounds S-1, S-3, S-5, and S-6, of page 23.