Title: ANTILEISHMANIAL DINITROANILINE SULFONAMIDES WITH ACTIVITY AGAINST PARASITE TUBULIN

Abstract: Dinitroaniline compounds useful for the treatment of diseases caused by parasitic protozoa in subjects in need of such treatment. The compounds are particularly useful in the treatment of leishmaniasis. The compounds are preferably less cytotoxic to normal cells than oryzalin. Also provided are methods of treating subjects having diseases caused by parasitic protozoa, preferably humans. The method comprising administering a therapeutically effective amount of a dinitroaniline compound of the present invention to a subject in need of such treatment.
INTERNATIONAL SEARCH REPORT

International application No. PCT/US03/12587

A. CLASSIFICATION OF SUBJECT MATTER
IPCI(7) : A61K 31/18, 31/40, 31/535; C07C 311/39, 311/44; C07D 207/14, 215/38
US CL : 514/231.2, 428, 603; 546/159; 548/577; 564/86
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.: 514/231.2, 428, 603; 546/159; 548/577; 564/86

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 database and, where practicable, search terms used)
CAS ONLINE

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>Database CAPLUS on STN, AN 1998:75599 (Columbus, Ohio, USA), the abstract No. 128:225677, BENBOW, J.W. et al. 'Synthesis and evaluation of dinitroanilines for treatment of cryptosporidiosis'. Antimicrobial Agents and Chemotherapy. 1998, 42(2), 339-334 (Eng.), see entire document.</td>
<td>1, 3, 4, 5</td>
</tr>
<tr>
<td>X</td>
<td>US 4,180,568 A (BECK et al.) 25 December 1979 (25.12.1979), see entire document.</td>
<td>1, 2, 4, 11-13, 15</td>
</tr>
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<td>Y</td>
<td>US 4,041,159 A (PLATT et al.) 09 August 1977 (09.08.1977), see entire document.</td>
<td>1-21</td>
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<tr>
<td>X</td>
<td>DE 2 332 979 A (ELI LILLY AND CO.) 10 January 1974 (10.01.1974), see entire document.</td>
<td>1, 2, 4, 5</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special category of cited documents:
  *A* document defining the general state of the art which is not considered to be of particular relevance
  *B* earlier application or patent 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: 30 October 2003 (30.10.2003)

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