Title: 6-SUBSTITUTED ANILINO PURINES AS RTK INHIBITORS

Abstract: The invention provides a novel class of compounds, pharmaceutical compositions comprising such compounds and methods of using such compounds to treat or prevent diseases or disorders associated with cSRC, Lck, FGFR3, Flt3, TrkB, Bmx, and/or PFGFRα kinase activity.
### INTERNATIONAL SEARCH REPORT

**International application No.**

PCT/US04/26373

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**A. CLASSIFICATION OF SUBJECT MATTER**

- IPC(7) : C07D 473/40, 473/34, 473/18, 473/16; A61K 31/52, 31/522; A 61P 35/02, 35/00, 9/10, 17/06, 11/06
- US CL: 544/61, 244, 277, 118, 276; 514/81, 234.2, 263.4, 263.37.

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

- U.S.: 544/61, 244, 277, 118, 276; 514/81, 234.2, 263.4, 263.37.

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

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**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 A</td>
<td>Chou et al, &quot;Resolution of complex purine and pyrimidine antagonist mixtures by thin-layer chromatography&quot; J. Chromatography Volume 27 pages 307-310 (1967), see Table 1, third species.</td>
<td>1-5</td>
</tr>
<tr>
<td>X</td>
<td>US 3,133,065 (CARBON et al) 12 May 1964 (19.06.1964), example 6.</td>
<td>6-10</td>
</tr>
<tr>
<td>X</td>
<td>US 5,017,578 A (Elliand et al) 21 May 1991 (12.05.1991). See Species of claims 3-5, 7-8, 10, 12 and 15.</td>
<td>1, 7-10</td>
</tr>
<tr>
<td>X</td>
<td>US 20030045533 A1 (Liu et al) 6 March 2003 (06.03.2003). See compounds of paragraphs 388-391, 397, 414 and 417-451.</td>
<td>1, 7-10</td>
</tr>
</tbody>
</table>

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

**See patent family annex.**

- **X** 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 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

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**Date of the actual completion of the international search**

22 December 2004 (22.12.2004)

**Date of mailing of the international search report**

08 MAR 2005

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