Title: POLYRYPROLES AS AGENTS FOR TREATING CANCER, TREATING VIRAL DISEASES AND CAUSING IMMUNOSUPPRESSION

Abstract: The present invention relates to novel Pyrrole-Type compounds (I), compositions comprising Pyrrole-Type compounds, and methods useful for treating or preventing cancer or a neoplastic disorder comprising administering a Pyrrole-Type compound. The compounds, compositions, and methods of the invention are also useful for inhibiting the growth of a cancer cell or neoplastic cell. The present invention also relates to novel Pyrrole-Type compounds, compositions, and methods useful for treating or preventing a viral infection. The compounds, compositions, and methods of the invention are also useful for inhibiting the replication and/or infectivity of a virus. The present invention also relates to novel Pyrrole-Type compounds, compositions, and methods useful for causing immunosuppression. The present invention also relates to novel Pyrrole-Type compounds, compositions, and methods useful for treating or preventing an autoimmune disease. Formula (I).
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

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<th>IPC</th>
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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)

| IPC | 7 C07D |

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Further documents are listed in the continuation of box C.

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Name and mailing address of the ISA

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Fax: (+31-70) 340-3016

Authorized officer

Grassi, D
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INTERNATIONAL SEARCH REPORT

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

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

1. ☐ Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.: 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:

3. ☐ Claims Nos.: because they are dependent 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)
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:


   Compounds containing a tetracyclic ring system.


   Compounds with a substituent R3.


   Compounds containing two thiophene rings.


   Compound containing one furan and two pyrrole rings.


   Compounds containing an indole ring being connected in position 3.


   Compounds containing an indole ring being connected in position 2.

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<tr>
<td>JP 10120563 A</td>
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