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(54) Title: TREATMENT OF CELIAC DISEASE WITH INTERLEUKIN–15 ANTAGONISTS

(57) Abstract

The invention relates to the treatment of inflammatory bowel diseases, such as celiac disease with interleukin–15 (IL–15) antagonists. Preferably the antagonists are muteins of IL–15, antibodies against IL–15 or IL–15 molecules bound to chemical groups that interfere with the ability of IL–15 to effect a signal transduction through either the β or γ–subunit of the IL–15 receptor complex, but which do not interfere with IL–15 binding to IL–15Rα.

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INTERNATIONAL SEARCH REPORT

rnational Application No
PCT/GB 99/02201

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K38/20 A61K39/395 A61K47/48 A61K9/02 A61K9/20

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 A61K C07K

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 practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 41232 A (BETH ISRAEL DEACONESS MEDICAL CENTER) 6 November 1997 (1997-11-06) page 10 page 14 claims 1,31 ---	1-8, 12-14
X	WO 96 26274 A (IMMUNEX CORPORATION) 29 August 1996 (1996-08-29) page 29 -page 30 ---	1,2,5-14
X	US 5 707 616 A (GRABSTEIN K.H. ET AL) 13 January 1998 (1998-01-13) column 7 -column 8 column 19, line 55 -column 20, line 22 -----	1-4,9, 10,12-14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"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

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Date of the actual completion of the international search	Date of mailing of the international search report
18 January 2000	25/01/2000

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Moreau, J

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 99/02201

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. [X] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Remark: Although claims 3-11 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

national Application No
PCT/GB 99/02201

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