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(54) Title: TREATMENT OF TUMOURS

(57) Abstract: The present invention provides the use of a metal ion chelating agent for the manufacture of a medicament for the treatment or prophylaxis of a bacteria-mediated cancerous tumour, wherein said metal ion chelating agent provides a metal ion chelating capacity for at least one metal ion on which said tumorigenic bacteria is dependent for viability. The invention also provides methods for the treatment or prophylaxis of tumours.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/47 A61P35/00 A61P31/04 A61P17/00				
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 A61P				
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) EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	WO 03/032944 A (AUCHINLECK PLC; JEMMETT, ALAN, EDWIN; SCHOFIELD, JACK; TAYLOR, RUSSELL) 24 April 2003 (2003-04-24) cited in the application the whole document -----	1-24		
X	US 2004/092496 A1 (JORDAN RUSSEL T ET AL) 13 May 2004 (2004-05-13) paragraphs '0007!', '0010!' - '0012! examples 7,8; tables 2,3 -----	1-24		
X	US 6 407 125 B1 (FERNANDEZ-POL JOSE A) 18 June 2002 (2002-06-18) column 1, lines 26-54 column 4, line 1 - column 5, line 15; examples ----- -/--	1-24		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.				
° Special categories of cited documents :				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but 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 </td> <td style="width: 50%; border: none; vertical-align: top;"> "T" 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 "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 "Y" 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. "&" document member of the same patent family </td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but 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	"T" 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 "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 "Y" 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. "&" document member of the same patent family
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but 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	"T" 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 "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 "Y" 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. "&" document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
31 October 2005	10/11/2005			
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	Paul Soto, R			

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/182272 A1 (HALSTEAD BRUCE) 5 December 2002 (2002-12-05) paragraphs '0003! - '0005!; claims 1,5,6,9 -----	1-24
X	SIMONART THIERRY ET AL: "Iron chelators inhibit the growth and induce the apoptosis of Kaposi's sarcoma cells and of their putative endothelial precursors" JOURNAL OF INVESTIGATIVE DERMATOLOGY, vol. 115, no. 5, November 2000 (2000-11), pages 893-900, XP002351824 ISSN: 0022-202X the whole document -----	1-24
X	RUKAVINA J G ET AL: "The effect of an intravenous chelating agent, edathamil disodium (Na 2-EDTA), in 3 cases of sarcoidosis." THE JOURNAL OF INVESTIGATIVE DERMATOLOGY. NOV 1958, vol. 31, no. 5, November 1958 (1958-11), pages 259-262, XP009056173 ISSN: 0022-202X the whole document -----	1-24
X	LE N T V ET AL: "The role of iron in cell cycle progression and the proliferation of neoplastic cells" BIOCHIMICA ET BIOPHYSICA ACTA - REVIEWS ON CANCER 02 OCT 2002 NETHERLANDS, vol. 1603, no. 1, 2 October 2002 (2002-10-02), pages 31-46, XP004381386 ISSN: 0304-419X Section 2. on pages 33-34 Section 4.1. on page 37 Section 4.3. on pages 38-39 Section 7. (Summary) on page 42 -----	1-24
A	ALMENOFF J ET AL: "IDENTIFICATION OF A THERMO LYSIN-LIKE METALLO ENDO PEPTIDASE IN SERUM ACTIVITY IN NORMAL SUBJECTS AND IN PATIENTS WITH SARCOIDOSIS" JOURNAL OF LABORATORY AND CLINICAL MEDICINE, vol. 103, no. 3, 1984, pages 420-431, XP009056189 ISSN: 0022-2143 abstract Discussion on pages 429-430 page 424 -----	1-24

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 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.: **23 and 24**
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 23 and 24 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 III Observations where unity of invention is lacking (Continuation of item 3 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

Inter | Application No
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			CN 1568177 A 19-01-2005
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