

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CY2017/000002	International filing date (<i>day/month/year</i>) 5 July 2017 (05-07-2017)	(Earliest) Priority Date (<i>day/month/year</i>)	
Applicant E P O S IASIS RESEARCH AND DEVELOPMENT LIMITED			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- the international application in the language in which it was filed
- a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6*bis*(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- the text is approved as submitted by the applicant
- the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant
- the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 7

- as suggested by the applicant
- as selected by this Authority, because the applicant failed to suggest a figure
- as selected by this Authority, because this figure better characterizes the invention

b. none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/CY2017/000002

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K47/54 C07D311/76
ADD.
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)
A61K C07D
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)
EPO-Internal, WPI Data, BIOSIS, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MASAYOSHI YAMAGUCHI ET AL: "Combination of alendronate and genistein synergistically suppresses osteoclastic differentiation of RAW267.4 cells in vitro", EXPERIMENTAL AND THERAPEUTIC MEDICINE, vol. 14, no. 2, 27 June 2017 (2017-06-27), pages 1769-1774, XP055458539, GR ISSN: 1792-0981, DOI: 10.3892/etm.2017.4695	1-3,5, 44,45,50
A	abstract page 1770, column 2, line 36 - page 1771, column 1, line 10 page 1773, column 1, line 1 - line 6 ----- -/--	4,6-43

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent 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 21 March 2018	Date of mailing of the international search report 28/03/2018
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Jetter, Sonya
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INTERNATIONAL SEARCH REPORT

International application No
PCT/CY2017/000002

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2014/356423 A1 (ANGRES ISAAC A [US]) 4 December 2014 (2014-12-04) paragraph [0003] - paragraph [0005]; claims 1-9	1-3,5, 44,45,50 4,6-43
Y A	----- WO 2005/027921 A1 (PFIZER PROD INC [US]; LEE ANDREW GEORGE [US]) 31 March 2005 (2005-03-31) claims 1-6, 11	1-3,5, 44-50 4,6-43
Y A	----- US 2009/227544 A1 (KARPEISKY ALEXANDER [US] ET AL) 10 September 2009 (2009-09-10) claims 1, 2, 29-35, 39, 41 -----	1-3,5, 44-50 4,6-43

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/CY2017/000002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2014356423	A1	04-12-2014	NONE	
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			BR PI0414565 A	07-11-2006
			CA 2539359 A1	31-03-2005
			CN 1852719 A	25-10-2006
			EP 1667691 A1	14-06-2006
			JP 2007505886 A	15-03-2007
			KR 20060058134 A	29-05-2006
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			NZ 545804 A	25-09-2009
			RU 2326695 C2	20-06-2008
			TW 200524617 A	01-08-2005
			US 2005065117 A1	24-03-2005
			WO 2005027921 A1	31-03-2005
			ZA 200602270 B	26-09-2007
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			US 2014051625 A1	20-02-2014
			US 2016095932 A1	07-04-2016