

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 08061 24-304	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2017/020529	International filing date (<i>day/month/year</i>) 2 March 2017 (02-03-2017)	(Earliest) Priority Date (<i>day/month/year</i>) 2 March 2016 (02-03-2016)
Applicant EISAI INC		

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 5 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. _____

☐

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

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing:
- a. ☐ forming part of the international application as filed:
- ☐ in the form of an Annex C/ST.25 text file.
- ☐ on paper or in the form of an image file.
- b. ☐ furnished together with the international application under PCT Rule 13~~ter~~.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
- c. ☒ furnished subsequent to the international filing date for the purposes of international search only:
- ☒ in the form of an Annex C/ST.25 text file (Rule 13~~ter~~.1(a)).
- ☐ on paper or in the form of an image file (Rule 13~~ter~~.1(b) and Administrative Instructions, Section 713).
2. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K47/68
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

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, CHEM ABS Data, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2014/089335 A2 (AMGEN INC [US]) 12 June 2014 (2014-06-12)	1,124, 142,151, 157,163, 169
Y	claims 53,197-204; figure 9	2-123, 125-141, 143-150, 152-156, 158-162, 164-168, 170-175, 177-183
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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

10 May 2017

Date of mailing of the international search report

31/05/2017

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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	ZHENG W ET AL: "Macrocyclic ketone analogues of halichondrin B", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, PERGAMON, AMSTERDAM, NL, vol. 14, no. 22, 15 November 2004 (2004-11-15), pages 5551-5554, XP004598592, ISSN: 0960-894X, DOI: 10.1016/J.BMCL.2004.08.069 compounds 38-40 -----	175,176
X	SRIDHAR NARAYAN ET AL: "Novel second generation analogs of eribulin. Part II: Orally available and active against resistant tumors in vivo", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, PERGAMON, AMSTERDAM, NL, vol. 21, no. 6, 20 January 2011 (2011-01-20), pages 1634-1638, XP028169543, ISSN: 0960-894X, DOI: 10.1016/J.BMCL.2011.01.097 [retrieved on 2011-01-25] compounds 17,29 -----	175,176
Y	NIKOLAOS DIAMANTIS ET AL: "Antibody-drug conjugates-an emerging class of cancer treatment", BRITISH JOURNAL OF CANCER, vol. 114, no. 4, 16 February 2016 (2016-02-16), pages 362-367, XP55371017, GB ISSN: 0007-0920, DOI: 10.1038/bjc.2015.435 the whole document -----	2-123, 125-141, 143-150, 152-156, 158-162, 164-168, 170-175, 177-183

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Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2014089335	A2	12-06-2014	
		AR 093867 A1	24-06-2015
		AU 2013355172 A1	11-06-2015
		CA 2894257 A1	12-06-2014
		CL 2015001507 A1	18-12-2015
		CN 105143263 A	09-12-2015
		EA 201591091 A1	29-02-2016
		EP 2928922 A2	14-10-2015
		HK 1212711 A1	17-06-2016
		JP 2016500256 A	12-01-2016
		KR 20150093744 A	18-08-2015
		PE 11462015 A1	21-08-2015
		PH 12015501284 A1	24-08-2015
		SG 11201504248W A	29-06-2015
		TN 2015000247 A1	03-10-2016
		TW 201425336 A	01-07-2014
		US 2015344583 A1	03-12-2015
		UY 35173 A	30-05-2014
		WO 2014089335 A2	12-06-2014
