

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference REAT.P0103WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2019/037543	International filing date (<i>day/month/year</i>) 17 June 2019 (17-06-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 15 June 2018 (15-06-2018)
Applicant REATA PHARMACEUTICALS, 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 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. _____
☐ 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/US2019/037543

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D401/14 C07D413/14 C07D231/54 C07D401/04 C07D235/02
 C07D401/10 C07D403/04 C07D403/10 C07D405/04 C07D409/04
 C07D413/04 C07D413/10 C07D417/04 A61P29/00 A61K31/416

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)

C07D 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 practicable, search terms used)

EPO-Internal, WPI Data, CHEM ABS 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 2016/130927 A1 (REATA PHARMACEUTICALS INC [US]) 18 August 2016 (2016-08-18) page 48 - page 54; claims; examples -----	1-175
X	HUERTA CARLOS ET AL: "Characterization of novel small-molecule NRF2 activators: Structural and biochemical validation of stereospecific KEAP1 binding", BIOCHIMICA ET BIOPHYSICA ACTA (BBA) - GENERAL SUBJECTS, ELSEVIER, AMSTERDAM, NL, vol. 1860, no. 11, 27 July 2016 (2016-07-27), pages 2537-2552, XP029708201, ISSN: 0304-4165, DOI: 10.1016/J.BBAGEN.2016.07.026 the whole document ----- -/-	1-175



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

22 August 2019

Date of mailing of the international search report

02/09/2019

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

Gavriliu, Daniela

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2019/037543

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2015/112792 A1 (ABBVIE INC [US]; REATA PHARMACEUTICALS INC [US]) 30 July 2015 (2015-07-30) page 63 - page 75; claims; examples -----	1-175
X	WO 2012/083306 A2 (REATA PHARMACEUTICALS INC [US]; ANDERSON ERIC [US] ET AL.) 21 June 2012 (2012-06-21) page 41 - page 101; claims; examples -----	1-175

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2019/037543

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2016130927	A1	18-08-2016	
		AU 2016219109 A1	24-08-2017
		BR 112017017133 A2	03-04-2018
		CA 2974726 A1	18-08-2016
		CN 107428698 A	01-12-2017
		EA 201791814 A1	29-12-2017
		EP 3256451 A1	20-12-2017
		JP 2018505196 A	22-02-2018
		KR 20170117092 A	20-10-2017
		US 2018127380 A1	10-05-2018
		WO 2016130927 A1	18-08-2016
WO 2015112792	A1	30-07-2015	
		CA 2936550 A1	30-07-2015
		CN 107074801 A	18-08-2017
		EP 3097089 A1	30-11-2016
		JP 6530758 B2	12-06-2019
		JP 2017503840 A	02-02-2017
		TW 201605808 A	16-02-2016
		US 2015225397 A1	13-08-2015
		WO 2015112792 A1	30-07-2015
WO 2012083306	A2	21-06-2012	
		AR 084353 A1	08-05-2013
		AU 2011343466 A1	25-07-2013
		CA 2822071 A1	21-06-2012
		CL 2013001754 A1	29-11-2013
		CN 103596929 A	19-02-2014
		CO 6910185 A2	31-03-2014
		CY 1120032 T1	12-12-2018
		DK 2651902 T3	08-01-2018
		EA 201390894 A1	30-12-2013
		EP 2651902 A2	23-10-2013
		ES 2653717 T3	08-02-2018
		HK 1189595 A1	04-08-2017
		HR P20171859 T1	26-01-2018
		HU E038046 T2	28-09-2018
		IL 226923 A	30-06-2016
		JP 5857068 B2	10-02-2016
		JP 2014501250 A	20-01-2014
		KR 20130130784 A	02-12-2013
		LT 2651902 T	10-01-2018
		ME 02973 B	20-07-2018
		NO 2651902 T3	07-04-2018
		NZ 612788 A	30-10-2015
		PL 2651902 T3	30-04-2018
		PT 2651902 T	01-02-2018
		SG 191181 A1	31-07-2013
		SI 2651902 T1	28-02-2018
		TW 201249785 A	16-12-2012
		US 2012196880 A1	02-08-2012
		US 2014051739 A1	20-02-2014
		US 2016130220 A1	12-05-2016
		US 2018265455 A1	20-09-2018
		WO 2012083306 A2	21-06-2012
		ZA 201305060 B	27-07-2016