

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC72430A	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2019/052009	International filing date (<i>day/month/year</i>) 12 March 2019 (12-03-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 15 March 2018 (15-03-2018)
Applicant PFIZER 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 3 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/IB2019/052009

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07H19/213 A61P35/00
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)
C07H 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, 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 2015/185565 A1 (GLAXOSMITHKLINE IP DEV LTD [GB]) 10 December 2015 (2015-12-10) the whole document	1-42
A	WO 2016/120305 A1 (GLAXOSMITHKLINE IP DEV LTD [GB]) 4 August 2016 (2016-08-04)	1-42



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

6 May 2019

Date of mailing of the international search report

15/05/2019

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2019/052009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2015185565	A1	10-12-2015	
		AU 2015270640 A1	01-12-2016
		CA 2950033 A1	10-12-2015
		CL 2016003056 A1	05-05-2017
		CN 106459131 A	22-02-2017
		CR 20160564 A	20-01-2017
		DO P2016000316 A	31-03-2017
		EA 201692119 A1	30-06-2017
		EP 3152217 A1	12-04-2017
		ES 2692226 T3	30-11-2018
		JP 6462006 B2	30-01-2019
		JP 2017518302 A	06-07-2017
		KR 20170015353 A	08-02-2017
		PE 01982017 A1	08-04-2017
		PH 12016502318 A1	06-02-2017
		SG 11201609021Q A	29-11-2016
		US 2018186828 A1	05-07-2018
		WO 2015185565 A1	10-12-2015
WO 2016120305	A1	04-08-2016	
		AU 2016212085 A1	20-07-2017
		BR 112017016006 A2	20-03-2018
		CA 2973806 A1	04-08-2016
		CL 2017001932 A1	16-02-2018
		CN 107108684 A	29-08-2017
		CR 20170350 A	05-12-2017
		DO P2017000175 A	15-09-2017
		EA 201791607 A1	31-01-2018
		EP 3250573 A1	06-12-2017
		JP 2018507192 A	15-03-2018
		KR 20170102362 A	08-09-2017
		PE 13222017 A1	11-09-2017
		PH 12017501233 A1	30-10-2017
		SG 11201705077V A	28-07-2017
		US 2018002369 A1	04-01-2018
		WO 2016120305 A1	04-08-2016