

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 56347-WO-PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2015/055006	International filing date (<i>day/month/year</i>) 2 July 2015 (02-07-2015)	(Earliest) Priority Date (<i>day/month/year</i>) 2 July 2014 (02-07-2014)
Applicant NOVARTIS AG		

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/IB2015/055006

A. CLASSIFICATION OF SUBJECT MATTER INV. C07D401/14 C07D401/10 C07D401/12 A61K31/445 A61P27/06 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) C07D 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, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2008/073452 A1 (REVIVA PHARMACEUTICALS INC [US]; MOHAPATRA PRABHU PRASAD [US]; BHAT LA) 19 June 2008 (2008-06-19) claim 18 -----	1-27
A	WO 2010/099054 A2 (MERCK SHARP & DOHME [US]; KIM RONALD M [US]; PARMEE EMMA R [US]; SINZ) 2 September 2010 (2010-09-02) table 5 -----	1-27
☐ 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 25 August 2015		Date of mailing of the international search report 18/09/2015
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 Götz, Gerhard

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2015/055006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2008073452	A1	19-06-2008	
		AU 2007333586 A1	19-06-2008
		BR PI0720211 A2	24-12-2013
		CA 2672212 A1	19-06-2008
		CN 101626688 A	13-01-2010
		EP 2114166 A1	11-11-2009
		JP 2010512328 A	22-04-2010
		NZ 578187 A	25-05-2012
		RU 2009126589 A	20-01-2011
		US 2008153878 A1	26-06-2008
		US 2012252842 A1	04-10-2012
		WO 2008073452 A1	19-06-2008
		ZA 200904211 A	31-03-2010

WO 2010099054	A2	02-09-2010	
		AR 075609 A1	20-04-2011
		AU 2010218224 A1	08-09-2011
		CA 2753434 A1	02-09-2010
		CN 102414194 A	11-04-2012
		CO 6430463 A2	30-04-2012
		EP 2401265 A2	04-01-2012
		JP 5411300 B2	12-02-2014
		JP 2012519169 A	23-08-2012
		KR 20110133034 A	09-12-2011
		RU 2011138970 A	10-04-2013
		TW 201035077 A	01-10-2010
		US 2010216764 A1	26-08-2010
		WO 2010099054 A2	02-09-2010
