

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P12647PC00	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2016/070604	International filing date (<i>day/month/year</i>) 1 September 2016 (01-09-2016)	(Earliest) Priority Date (<i>day/month/year</i>) 2 September 2015 (02-09-2015)
Applicant LABORATORIOS DEL DR. ESTEVE, S.A.		

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/EP2016/070604

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D403/12 A61K31/496 A61P25/34
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 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, 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.
X	WO 2011/147910 A1 (ESTEVE LABOR DR [ES]; GARCIA LOPEZ MONICA [ES]; TORRENS JOVER ANTONI []) 1 December 2011 (2011-12-01) cited in the application	1-12
Y	Abstract; claim 10, in particular page 61, lines 3 and 22; page 51, example 39; page 10, lines 15-29; page 24, lines 6-9. ----- -/--	1-12



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

12 October 2016

Date of mailing of the international search report

18/10/2016

Name and mailing address of the ISA/

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Weisbrod, Thomas

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
L	Hilfiker et al.: "Chapter 1. Relevance of Solid-state Properties for Pharmaceutical Products" In: HILFIKER (EDITOR): "Polymorphism in the Pharmaceutical Industry", 2006, Wiley-VCH, Weinheim, XP002528052, ISBN: 978-3-527-31146-0 pages 1-19, Page 8, section 1.4.1: "Salt selection"; page 12, section 1.4.3: "Crystallization Process Development", penultimate paragraph. Cited as common general knowledge. -----	1-12
L	ANDERSON: "Chapter 11. TOOLS FOR PURIFYING THE PRODUCT: COLUMN CHROMATOGRAPHY, CRYSTALLIZATION AND RESLURRYING", PRACTICAL PROCESS RESEARCH AND DEVELOPMENT, ACADEMIC PRESS, SAN DIEGO, 2000, pages 223-247, XP002382432, Paragraph bridging pages 223-224; page 238, section III.C: "Salt Selection": first paragraph. Cited as common general knowledge. -----	1-12
L	"Tables of Salt-Forming Acids and Bases" In: "Handbook of Pharmaceutical Salts - Properties, Selection, and Use", 1 January 2002 (2002-01-01), Verlag Helvetica Chimica Acta; Wiley-VCH, Zürich, Weinheim, XP055247250, pages 331-345, Page 331, chapter 2, first paragraph; and pages 336-337, table 2: Acids sorted by increasing pKa value. -----	1-12
Y	BASTIN ET AL.: "Salt Selection and Optimisation Procedures for Pharmaceutical New Chemical Entities", ORGANIC PROCESS RESEARCH AND DEVELOPMENT, vol. 4, no. 5, 19 July 2000 (2000-07-19), pages 427-435, XP008154792, ISSN: 1083-6160, DOI: 10.1021/OP000018U [retrieved on 2000-07-19] Abstract; page 427, right column, paragraph 1, penultimate sentence; paragraph bridging pages 427-428; page 428, right column, penultimate paragraph, lines 7-11. -----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2016/070604

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2011147910	A1	01-12-2011	
		AR 081426 A1	29-08-2012
		AU 2011257208 A1	29-11-2012
		BR 112012030024 A2	02-08-2016
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		CN 103003267 A	27-03-2013
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		EC SP12012270 A	30-11-2012
		EP 2395003 A1	14-12-2011
		EP 2576543 A1	10-04-2013
		JP 5932779 B2	08-06-2016
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		JP 2016065092 A	28-04-2016
		KR 20130119854 A	01-11-2013
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		NZ 603532 A	25-07-2014
		RU 2012156925 A	10-07-2014
		SG 185720 A1	28-12-2012
		TW 201208679 A	01-03-2012
		UA 112160 C2	10-08-2016
		US 2013158029 A1	20-06-2013
		WO 2011147910 A1	01-12-2011
		ZA 201208799 B	29-01-2014
