

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 80871-WO-ORG-P1	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2016/073290	International filing date (<i>day/month/year</i>) 29 September 2016 (29-09-2016)	(Earliest) Priority Date (<i>day/month/year</i>) 2 October 2015 (02-10-2015)
Applicant SYNGENTA PARTICIPATIONS 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 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/EP2016/073290

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D271/06 A01N43/82 C07D413/04
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 A01N

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.
A	WO 2013/064079 A1 (SINOCHEM CORP [CN]; SHENYANG RES INST CHEMICAL IND [CN]) 10 May 2013 (2013-05-10) cited in the application abstract, compounds of formula (I) on page 22, compounds 987-991 on page 23 -----	1-15
A	EP 0 276 432 A2 (CIBA GEIGY AG [CH]) 3 August 1988 (1988-08-03) cited in the application claim 1; table 3 -----	1-15
A	CN 1 927 860 A (JIANGSU BASE NAT RES AND DEV C [CN]) 14 March 2007 (2007-03-14) cited in the application compounds in table given on pages 12 and 13 ----- -/-	1-15



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

23 November 2016

Date of mailing of the international search report

21/12/2016

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

Guspanová, Jana

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2016/073290

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2008/037789 A1 (BAYER CROPS SCIENCE SA [FR]; DESBORDES PHILIPPE [FR]; DUNKEL RALF [FR];) 3 April 2008 (2008-04-03) Table on pages 24-39; page 1, paragraph 1; claims 1,13,14 -----	1-15
A	WO 2013/066839 A2 (GLAXOSMITHKLINE LLC [US]; TEMPERO PHARMACEUTICALS INC [US]; GHOSH SHOM) 10 May 2013 (2013-05-10) cited in the application intermediate compound, last on page 31 in Example 31; page 1, paragraph 1 -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2016/073290

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
WO 2013064079	A1	10-05-2013	CN	103081916	A	08-05-2013
			CN	103781357	A	07-05-2014
			WO	2013064079	A1	10-05-2013

EP 0276432	A2	03-08-1988	AU	8246587	A	16-06-1988
			BR	8706756	A	19-07-1988
			DK	650787	A	13-06-1988
			EP	0276432	A2	03-08-1988
			NZ	222868	A	26-09-1990
			PT	86329	A	01-01-1988
			US	4871753	A	03-10-1989

CN 1927860	A	14-03-2007	NONE			

WO 2008037789	A1	03-04-2008	AR	063048	A1	23-12-2008
			AT	507223	T	15-05-2011
			CL	2007002787	A1	30-05-2008
			CN	101522659	A	02-09-2009
			EP	2084148	A1	05-08-2009
			EP	2336121	A1	22-06-2011
			ES	2365434	T3	05-10-2011
			JP	2010504946	A	18-02-2010
			PT	2084148	E	05-07-2011
			US	2009270461	A1	29-10-2009
			WO	2008037789	A1	03-04-2008

WO 2013066839	A2	10-05-2013	NONE			
