

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BCS233049WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2024/084393	International filing date (day/month/year) 3 December 2024 (03-12-2024)	(Earliest) Priority Date (day/month/year) 5 December 2023 (05-12-2023)
Applicant BAYER AKTIENGESELLSCHAFT		

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 43.6bis(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. 1a
☒ 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/EP2024/084393

A. CLASSIFICATION OF SUBJECT MATTER

INV. A01N43/40 A01P7/04 A01N25/30 A01N25/02
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)

A01N A01P

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.
Y	US 2011/086848 A1 (STORK ANDREAS [DE] ET AL) 14 April 2011 (2011-04-14)	1 - 12
A	paragraphs [0140] - [0144], [0182]; tables I-VII -----	13 - 15
Y	WO 98/17277 A1 (VIRBAC SA [FR]; DERRIEU GUY [FR] ET AL.) 30 April 1998 (1998-04-30)	1 - 12
A	page 20; example 11 -----	13 - 15
Y	WO 2023/056540 A1 (IHARABRAS S A INDUSTRIAS QUIM [BR]) 13 April 2023 (2023-04-13) pages 22, 28, paragraph 51; example 2.12; table 2 ----- - / - -	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

5 February 2025

Date of mailing of the international search report

14/02/2025

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

Sawicki, Marcin

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2024/084393

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2022/189592 A1 (UPL CORPORATION LTD [MU]; UPL EUROPE LTD [GB]) 15 September 2022 (2022-09-15) page 29; table 5 -----	1 - 12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2024/084393

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011086848 A1	14-04-2011	AP 3070 A	31-12-2014
		AR 078113 A1	12-10-2011
		AU 2010294603 A1	29-03-2012
		BR 112012005597 A2	08-09-2015
		CL 2012000644 A1	05-10-2012
		CN 102573461 A	11-07-2012
		CO 6511233 A2	31-08-2012
		DK 2477488 T3	31-08-2015
		EP 2305030 A1	06-04-2011
		EP 2477488 A2	25-07-2012
		ES 2544730 T3	03-09-2015
		HR P20150902 T1	25-09-2015
		JP 5583220 B2	03-09-2014
		JP 2013504527 A	07-02-2013
		KR 20130026406 A	13-03-2013
		PL 2477488 T3	30-11-2015
		PT 2477488 E	16-09-2015
		SI 2477488 T1	30-10-2015
		TW 201112951 A	16-04-2011
		US 2011086848 A1	14-04-2011
		US 2018035666 A1	08-02-2018
		WO 2011029552 A2	17-03-2011
		ZA 201202430 B	25-09-2013

WO 9817277 A1	30-04-1998	AU 5750198 A	15-05-1998
		EP 0836851 A1	22-04-1998
		WO 9817277 A1	30-04-1998

WO 2023056540 A1	13-04-2023	AR 127307 A1	10-01-2024
		BR 102021020193 A2	18-04-2023
		CO 2024005848 A2	08-07-2024
		US 2024349725 A1	24-10-2024
		WO 2023056540 A1	13-04-2023

WO 2022189592 A1	15-09-2022	AR 125069 A1	07-06-2023
		AU 2022231890 A1	12-10-2023
		CN 117560993 A	13-02-2024
		CO 2023013308 A2	25-01-2024
		WO 2022189592 A1	15-09-2022
