

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2022/032606

A. CLASSIFICATION OF SUBJECT MATTER

C07D 487/04(2006.01)i; **A61K 31/519**(2006.01)i; **A61K 31/5355**(2006.01)i; **A61K 31/5377**(2006.01)i;
A61K 31/5386(2006.01)i; **A61K 31/541**(2006.01)i; **A61K 31/55**(2006.01)i; **A61K 31/551**(2006.01)i; **A61K 31/553**(2006.01)i;
A61P 1/00(2006.01)i; **A61P 1/04**(2006.01)i; **A61P 1/16**(2006.01)i; **A61P 3/00**(2006.01)i; **A61P 9/00**(2006.01)i;
A61P 9/10(2006.01)i; **A61P 13/12**(2006.01)i; **A61P 17/00**(2006.01)i; **A61P 19/02**(2006.01)i; **A61P 19/06**(2006.01)i;
A61P 25/00(2006.01)i; **A61P 25/28**(2006.01)i; **A61P 27/04**(2006.01)i; **A61P 29/00**(2006.01)i; **A61P 37/02**(2006.01)i;
A61P 37/06(2006.01)i; **A61P 37/08**(2006.01)i; **A61P 43/00**(2006.01)i; **C07D 519/00**(2006.01)i
 FI: C07D487/04 143; A61P43/00 111; A61P25/00; A61P13/12; A61P1/04; A61P29/00; A61P9/10 101; A61P1/16;
 A61P19/06; A61P19/02; A61P29/00 101; A61P17/00; A61P37/08; A61P27/04; A61P9/10; A61P37/06; A61P9/00;
 A61P3/00; A61K31/519; A61K31/5377; A61K31/55; A61K31/541; A61K31/553; C07D519/00 301; A61K31/551;
 A61K31/5386; C07D519/00 311; A61K31/5355; A61P25/28; A61P1/00; A61P37/02; C07D487/04 CSP

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)

C07D487/04; A61K31/519; A61K31/5355; A61K31/5377; A61K31/5386; A61K31/541; A61K31/55; A61K31/551;
 A61K31/553; A61P1/00; A61P1/04; A61P1/16; A61P3/00; A61P9/00; A61P9/10; A61P13/12; A61P17/00; A61P19/02;
 A61P19/06; A61P25/00; A61P25/28; A61P27/04; A61P29/00; A61P37/02; A61P37/06; A61P37/08; A61P43/00; C07D519/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996
 Published unexamined utility model applications of Japan 1971-2022
 Registered utility model specifications of Japan 1996-2022
 Published registered utility model applications of Japan 1994-2022

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAlplus/REGISTRY (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SHISHOO, C. J. et al. Indian Journal of Chemistry. 1999, vol. 38B, pp. 1075-1085 entire text, all drawings	1-29
A	WO 2017/205766 A1 (PHARMACYCLICS LLC) 30 November 2017 (2017-11-30)	1-29
A	JP 2014-511885 A (ORIGENIS GMBH) 19 May 2014 (2014-05-19)	1-29
A	WO 2020/150114 A1 (INNATE TUMOR IMMUNITY, INC.) 23 July 2020 (2020-07-23)	1-29
A	WO 2020/150115 A1 (INNATE TUMOR IMMUNITY, INC.) 23 July 2020 (2020-07-23)	1-29

☐ 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

07 November 2022

Date of mailing of the international search report

22 November 2022

Name and mailing address of the ISA/JP

Japan Patent Office (ISA/JP)
 3-4-3 Kasumigaseki, Chiyoda-ku, Tokyo 100-8915
 Japan

Authorized officer

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/JP2022/032606

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
WO	2017/205766	A1	30 November 2017	(Family: none)	
JP	2014-511885	A	19 May 2014	US 2012/0329780	A1
				WO 2012/143144	A1
				EP 2699579	A1
				TW 201245205	A
				AU 2012244550	A
				CA 2831634	A
				CN 103492389	A
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				SG 194549	A
				AP 201307253	D
				CO 6831982	A
				KR 10-2014-0004771	A
				CR 20130536	A
				MA 35124	B
				EA 201301184	A
				PE 9282014	A
				MX 2013012294	A
				CU 20130143	A
				GT 201300255	A
				HK 1192248	A
				ZA 201307839	B
				BR 112013026521	A
				CL 2013003051	A
				PE 20140928	A
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WO	2020/150115	A1	23 July 2020	JP 2022-517109	A
				US 2022/0089572	A1
				EP 3911641	A1
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