

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/113397

A. CLASSIFICATION OF SUBJECT MATTER

A61K 9/14(2006.01)i

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)

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)

CNMED; CPRSABS; CNABS; DWPI; CNKI; ISI web of Science: 宏柯源, 纳米, 胆固醇, DOTAP, PD-1, nanoparticles, 张龙, DOPA, PD1, PD-L1, siRNA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 105878047 A (GUANGZHOU JINAN UNIVERSITY BIOPHARMACEUTICAL R&D CENTRE; GUANGZHOU JIPENG BIOTECHNOLOGY CO., LTD.) 24 August 2016 (2016-08-24) claims 1-10	1-8, 10
Y	CN 105878047 A (GUANGZHOU JINAN UNIVERSITY BIOPHARMACEUTICAL R&D CENTRE; GUANGZHOU JIPENG BIOTECHNOLOGY CO., LTD.) 24 August 2016 (2016-08-24) claims 1-10	9
Y	CN 105168151 A (HARBIN INSTITUTE OF TECHNOLOGY) 23 December 2015 (2015-12-23) claims 1-9	9
Y	CN 105873569 A (THE UNIVERSITY OF CHICAGO; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL) 17 August 2016 (2016-08-17) claims 1-60	9
A	WO 2014021678 A1 (IMGT CO., LTD.) 06 February 2014 (2014-02-06) entire document	1-10

 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 May 2018

Date of mailing of the international search report

30 May 2018

Name and mailing address of the ISA/CN

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2017/113397

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	105878047	A	24 August 2016	None			
CN	105168151	A	23 December 2015	CN	105168151	B	24 October 2017
CN	105873569	A	17 August 2016	WO	2015069926	A1	14 May 2015
				EP	3065713	A1	14 September 2016
				US	2016346204	A1	01 December 2016
				JP	2016536318	A	24 November 2016
				EP	3065713	A4	26 July 2017
WO	2014021678	A1	06 February 2014	KR	20140018150	A	12 February 2014
				KR	101488822	B1	04 February 2015