

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/079616

A. CLASSIFICATION OF SUBJECT MATTER		
C07D 215/14(2006.01)i; C09K 11/06(2006.01)i; G01N 21/64(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) C07D215/-; C09K11/-; G01N21/-		
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) CNPAT, CNLI, WPI, EPODOC, STN(Registry, CAplus): 发光, 荧光, 硝基还原酶, 检测, 探针, fluorescen+, probe, detect+, nitroreductase		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN 109456264 A (SOUTH CHINA UNIVERSITY OF TECHNOLOGY) 12 March 2019 (2019-03-12) entire document	1-10
A	CN 105732564 A (UNIVERSITY OF JINAN) 06 July 2016 (2016-07-06) entire document	1-10
A	CN 107056618 A (UNIVERSITY OF JINAN) 18 August 2017 (2017-08-18) entire document	1-10
A	CN 108727223 A (NANJING UNIVERSITY OF TECHNOLOGY) 02 November 2018 (2018-11-02) entire document	1-10
A	WO 2008030120 A1 (AUCKLAND UNISERVICES LTD. et al.) 13 March 2008 (2008-03-13) entire document	1-10
A	NAKATA, E. J. et al. "Design of a bioreductively-activated fluorescent pH probe for tumor hypoxia imaging" <i>Bioorganic & Medicinal Chemistry</i> , Vol. 17, 21 August 2009 (2009-08-21), pages 6952-6958	1-10
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 August 2019		Date of mailing of the international search report 19 August 2019
Name and mailing address of the ISA/CN China National Intellectual Property Administration (ISA/CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China Facsimile No. (86-10)62019451		Authorized officer Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	109456264	A	12 March 2019	None			
CN	105732564	A	06 July 2016	CN	105732564	B	26 June 2018
CN	107056618	A	18 August 2017	CN	107056618	B	09 April 2019
CN	108727223	A	02 November 2018	None			
WO	2008030120	A1	13 March 2008	US	2010173332	A1	08 July 2010