

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/008576

A. CLASSIFICATION OF SUBJECT MATTER

C07C 271/24(2006.01)i, C07C 269/06(2006.01)i, C07C 269/08(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)

C07C 271/24; C07D 513/04; C07D 409/12; C07D 303/38; C07D 213/75; C07C 269/04; A61K 31/437; C07D 493/08; C07C 269/06; C07C 269/08

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

Korean Utility models and applications for Utility models: IPC as above
Japanese Utility models and applications for Utility models: IPC as above

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

eKOMPASS (KIPO internal), STN (Registry, Caplus), Google & Keywords: tert-butyl{(1R,2S,5S)-2-amino-5-[(dimethylamino)carbonyl]cyclohexyl}carbamate, succinate, stannate, citrate, edoxaban(edoxaban) intermediate, purity, yield rate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-2005-0110612 A (DAIICHI PHARMACEUTICAL CO., LTD.) 23 November 2005 See paragraphs [0001], [0183], [0621]-[0623], [1184]-[1186], [2363]-[2373], [4380]-[4382].	1-9
X	KR 10-2004-0029322 A (DAIICHI PHARMACEUTICAL CO., LTD.) 06 April 2004 See reference examples 10, 144, 433, 434, 435; and example 310.	1-9
X	WO 2014-157612 A1 (DAIICHI SANKYO COMPANY, LIMITED) 02 October 2014 See claims 1-5; and paragraph [0051].	1-9
X	KR 10-2008-0044272 A (DAIICHI SANKYO COMPANY, LIMITED) 20 May 2008 See claims 27-54; and paragraph [0332].	1-8
Y		9
Y	CN 105753888 A (LEPU PHARMACEUTICALS CO., LTD.) 13 July 2016 See claim 1; and paragraphs [0005]-[0012].	9



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

16 NOVEMBER 2017 (16.11.2017)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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