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(54) Title: NOVEL IMIDAZOTRIAZINONE OR IMIDAZOPYRAZINONE DERIVATIVES, AND USE THEREOF

(57) Abstract: The present invention relates to a novel imidazotriazinone or imidazopyrazinone derivative, a tautomer thereof, a stereoisomer thereof and their mixture, or a pharmaceutically acceptable salt thereof; and a pharmaceutical composition for preventing or treating a tankyrase-related disease, which contains the same as an active ingredient.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2015/007220**A. CLASSIFICATION OF SUBJECT MATTER****C07D 487/04(2006.01)i, C07D 403/04(2006.01)i, C07D 403/14(2006.01)i, A61K 31/53(2006.01)i, A61P 35/00(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)

C07D 487/04; C07D 471/04; A61K 31/4985; C07D 401/04; C07D 401/14; A61K 31/53; C07D 403/04; C07D 403/14; A61P 35/00

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & STN (Registry, Marpat, Caplus) & Google: imidazotriazinone, imidazopyrazinone, tankyrase, cancer, PARP

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2013-0345215 A1 (GENENTECH, INC.) 26 December 2013 See paragraphs [0002], [0022]-[0023]; compounds I-1 - I-3, I-5 - I-12, I-14 - I-18, I-23 - I-24, I-26, I-28, I-30, I-32 - I-35, I-38, I-42 - I-44, I-46 - I-47, I-49, I-52 - I-53, I-55 - I-69, I-71, I-74, I-76 - I-102, I-104 - I-505, I-109, I-111 - I-117, I-119, I-122 - I-123, I-126 - I-128, I-130, I-131 - I-134, I-137 - I-138, I-140, I-143; and claims 1, 19-23.	1-14
X	WO 2013-143663 A1 (MERCK PATENT GMBH) 03 October 2013 See pages 40 - 41, 81-82; and claim 1.	1-14
X	US 2013-0331375 A1 (GENENTECH, INC.) 12 December 2013 See paragraphs [0182], [0187]; claims 1, 9, 11-12.	1-14
X	US 2013-0345226 A1 (HOFFMANN-LA ROCHE INC.) 26 December 2013 See paragraphs [0567]-[0568]; and claims 1, 14, 17.	1-14
A	KR 10-2014-0051944 A (NOVARTIS AG) 02 May 2014 See paragraphs [0567]-[0568]; claims 1, 14, 17.	1-14
A	WO 2013-110768 A1 (H. LUNDBECK A/S) 01 August 2013 See pages 23-24; and claims 1, 5-7.	1-14



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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