

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
16 June 2011 (16.06.2011)

PCT

(10) International Publication Number  
WO 2011/070592 A3

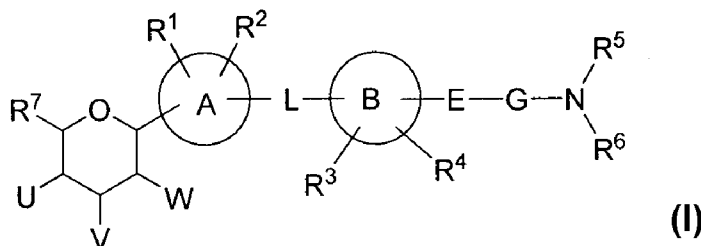
- (51) **International Patent Classification:**  
C07H 15/203 (2006.01) C07D 309/10 (2006.01)
- (21) **International Application Number:** PCT/IN2010/000796
- (22) **International Filing Date:** 9 December 2010 (09.12.2010)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:** 2553/DEL/2009 9 December 2009 (09.12.2009) IN
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) **Title:** NOVEL SUGAR DERIVATIVES AS SGLT2 INHIBITORS



(57) **Abstract:** The present invention relates to novel compounds of Formula (I), their pharmaceutically acceptable derivatives, analogs, tautomeric forms, isomers, polymorphs, prodrugs, metabolites, salts or solvates thereof. The invention also relates to the processes for the synthesis of novel compounds of Formula I, their pharmaceutically acceptable derivatives, analogs, tautomeric forms, isomers, polymorphs, prodrugs, metabolites, salts or solvates thereof. The present invention also provides pharmaceutical compositions comprising novel compounds of Formula I and methods of treating or preventing one or more conditions or diseases that may be regulated or normalized via inhibition of Sodium Glucose Cotransporter-2 (SGLT-2). The invention also relates to the use of compounds of Formula I, their pharmaceutically acceptable derivatives, analogs, tautomeric forms, isomers, polymorphs, prodrugs, metabolites, salts or solvates thereof, for the manufacture of a medicament for the prophylaxis, amelioration and/or treatment of conditions or diseases that may be regulated or normalized via inhibition of Sodium Glucose Cotransporter-2 (SGLT-2) and the related diseases, disorders and conditions, in a subject in need thereof.



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**Published:**

**(88) Date of publication of the international search report:**

10 May 2012

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/IN2010/000796

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. C07H15/203 C07D309/10  
 ADD.  
 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)  
 C07H C07D

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 practical, search terms used)  
 EPO-Internal, CHEM ABS Data, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009/026537 A1 (THERACOS INC [US]; SONG YANLI [CN]; CHEN YUANWEI [US]; CHENG HUAWEI [C] 26 February 2009 (2009-02-26) the whole document -----	1-20
X	WO 01/27128 A1 (SQUIBB BRISTOL MYERS CO [US]; ELLSWORTH BRUCE [US]; WASHBURN WILLIAM N) 19 April 2001 (2001-04-19) the whole document -----	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

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- "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
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- "&" document member of the same patent family

Date of the actual completion of the international search  20 March 2012	Date of mailing of the international search report  27/03/2012
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Klein, Didier

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IN2010/000796

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