

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
9 June 2016 (09.06.2016)



(10) International Publication Number
WO 2016/088081 A8

(51) International Patent Classification:
A61K 31/7034 (2006.01)

(21) International Application Number:
PCT/IB2015/059333

(22) International Filing Date:
3 December 2015 (03.12.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
3518/DEL/2014 3 December 2014 (03.12.2014) IN

(71) Applicant: **SUN PHARMACEUTICAL INDUSTRIES LIMITED** [IN/IN]; Sun House, Plot No. 201 B/1, Western Express Highway, Goregaon (E), Mumbai, Maharashtra 400 063 (IN).

(72) Inventors: **ALI, Israr**; House No. 34A, Okhla Village, South Delhi, Delhi 110025 (IN). **KUMAR, Rajesh**; Village - Patan, Post - Patan, 209506 Unnao, Uttar Pradesh (IN). **BARMAN, Dhiren, Chandra**; House No. A-105, Ground Floor, Sanjoy Gram, Gurgaon, Haryana 122001 (IN). **NATH, Asok**; House No. 680, Sector - 14, Gurgaon, Haryana 122001 (IN). **PRASAD, Mohan**; H.No.P-3/3, Phase-II, DLF Qutab Enclave, Gurgaon, Haryana 122001 (IN).

(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, BN, 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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(48) Date of publication of this corrected version:

1 September 2016

(15) Information about Correction:

see Notice of 1 September 2016

(54) Title: PROCESSES FOR THE PREPARATION OF ERTUGLIFLOZIN

(57) Abstract: The present invention relates to processes for the preparation of ertugliflozin. The present invention also provides compounds of Formula (III), Formula (IV), and Formula (VII), processes for their preparation, and their use for the preparation of ertugliflozin. The processes of the present invention involve protecting the ertugliflozin intermediate compound with a suitable protecting group which provides ertugliflozin having high purity and yield.



WO 2016/088081 A8