



(51) International Patent Classification:

C07D 401/06 (2006.01) **C07D 209/08** (2006.01)
A61K 31/40 (2006.01) **C07D 209/10** (2006.01)
A61K 31/44 (2006.01)

(21) International Application Number:

PCT/IB2013/001530

(22) International Filing Date:

15 July 2013 (15.07.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/672,455 17 July 2012 (17.07.2012) US
61/748,874 4 January 2013 (04.01.2013) US

(71) Applicant: **GLAXOSMITHKLINE INTELLECTUAL
PROPERTY (NO.2) LIMITED** [GB/—]; 980 Great West
Road, Brentford, Middlesex TW8 9GS (GB).

(72) Inventors: **TURNBULL, Philip, Stewart**; c/o GlaxoS-
mithKline, 5 Moore Drive, Research Triangle Park, North
Carolina 27709 (US). **CADILLA, Rodolfo**; c/o GlaxoS-
mithKline, 5 Moore Drive, Research Triangle Park, North
Carolina 27709 (US).

(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, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*

(54) Title: INDOLECARBONITRILES AS SELECTIVE ANDROGEN RECEPTOR MODULATORS

(57) Abstract: This invention relates to non-steroidal compounds that are modulators of androgen receptor, and also to the methods for the making and use of such compounds.



WO 2014/013309 A1