



(51) International Patent Classification:

C07D 213/74 (2006.01) *C07D 471/04* (2006.01)
C07D 213/76 (2006.01) *C07C 59/245* (2006.01)
C07D 241/24 (2006.01)

(21) International Application Number:

PCT/US2023/025170

(22) International Filing Date:

13 June 2023 (13.06.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/351,996 14 June 2022 (14.06.2022) US

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(54) Title: METHODS OF MAKING TOLEBRUTINIB

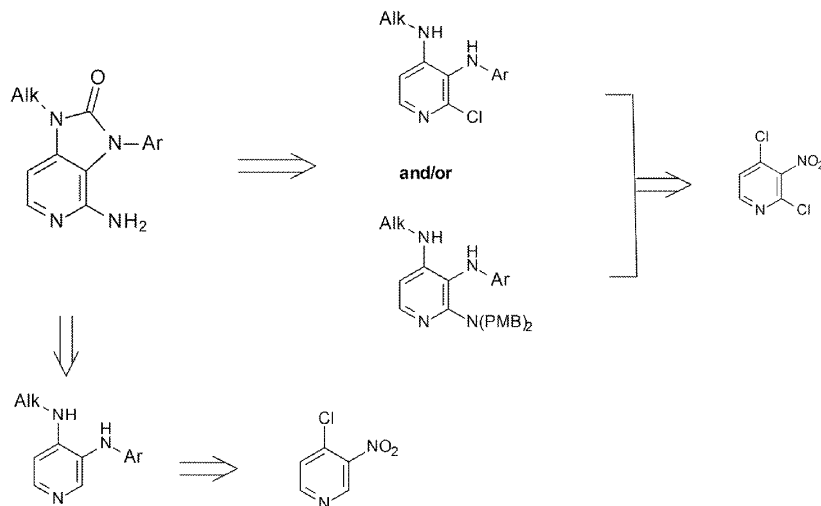


Fig. 9

(57) Abstract: Disclosed herein are improved synthetic routes for making (R)-1-(1-acryloyl piperidin-3-yl)-4-amino-3-(4-phenoxyphenyl)-1 H-imidazo[4,5-c]pyridin-2(3H)-one (tolebrutinib). Also disclosed herein are novel compounds used in the synthesis of (R)-1-(1-acryloyl piperidin-3-yl)-4-amino-3-(4-phenoxyphenyl)-1 H-imidazo[4,5-c]pyridin-2(3H)-one.

[Continued on next page]

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))