

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
21 February 2019 (21.02.2019)



(10) International Publication Number
WO 2019/036657 A1

(51) International Patent Classification:

A61K 31/165 (2006.01) C07D 401/04 (2006.01)
A61K 31/415 (2006.01) C07D 401/12 (2006.01)

(21) International Application Number:

PCT/US2018/046957

(22) International Filing Date:

17 August 2018 (17.08.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/546,757 17 August 2017 (17.08.2017) US
62/613,141 03 January 2018 (03.01.2018) US

(71) Applicant: KYN THERAPEUTICS [US/US]; 400 Technology Square, 10th Floor, Cambridge, Massachusetts 02139 (US).

(72) Inventors: CASTRO, Alfredo C.; 14 Kelly Drive, Woburn, Massachusetts 01801 (US). EVANS, Catherine Anne; 83 Jaques Street, Somerville, Massachusetts 02145 (US).

(74) Agent: REID, Andrea L.C. et al.; One International Place, 40th Floor, 100 Oliver Street, Boston, Massachusetts 02110-2605 (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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))

(54) Title: AHR INHIBITORS AND USES THEREOF

(57) Abstract: The present invention provides compounds useful as inhibitors of AHR, compositions thereof, and methods of using the same.

WO 2019/036657 A1