

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
19 November 2020 (19.11.2020)



(10) International Publication Number
WO 2020/232156 A1

(51) International Patent Classification:

A61K 31/433 (2006.01) A61K 31/4439 (2006.01)
A61K 31/435 (2006.01)

(21) International Application Number:

PCT/US2020/032725

(22) International Filing Date:

13 May 2020 (13.05.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/847,519 14 May 2019 (14.05.2019) US

(71) Applicant: **ARTHROSI THERAPEUTICS, INC.**
[US/US]; 23052 Alcalde Drive, Ste. A, Laguna Hills, California 92653 (US).

(72) Inventors: **YAN, Shunqi**; 23052 Alcalde Drive, Ste. A, Laguna Hills, California 92653 (US). **YEH, Litain**; 23052 Alcalde Drive, Ste. A, Laguna Hills, California 92653 (US). **YAN, Rongzi**; 23052 Alcalde Drive, Ste. A, Laguna Hills, California 92653 (US). **SHEN, Zancong**; 23052 Alcalde Drive, Ste. A, Laguna Hills, California 92653 (US).

(74) Agent: **MALECHA, James**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, California 94304-1050 (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, 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, 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).

(54) Title: COMPOUND FOR TREATING GOUT OR HYPERURICEMIA

(57) Abstract: Described herein is (3,5-dibromo-4-hydroxyphenyl)(6-hydroxy-2-(1-hydroxyethyl)benzofuran-3-yl-4,5,7-*d*₃)methanone, or a pharmaceutically acceptable salt or solvate thereof, and methods for treating or preventing gout or hyperuricemia comprising the administration of the compound.

WO 2020/232156 A1