

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

(19) World Intellectual Property  
Organization

International Bureau

(43) International Publication Date  
08 June 2023 (08.06.2023)



(10) International Publication Number  
**WO 2023/098882 A1**

(51) **International Patent Classification:**  
C07C 215/42 (2006.01) C07D 265/28 (2006.01)

(21) **International Application Number:**  
PCT/CN2022/136254

(22) **International Filing Date:**  
02 December 2022 (02.12.2022)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**  
PCT/CN2021/135094  
02 December 2021 (02.12.2021) CN  
PCT/CN2021/136466  
08 December 2021 (08.12.2021) CN

(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, 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).

**Declarations under Rule 4.17:**

— *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))*

(71) **Applicant:** BEIGENE, LTD. [GB/GB]; c/o Mourant Governance Services (Cayman) Limited, 94 Solaris Avenue, Camana Bay, Grand Cayman, KY1-1108 (KY).

(72) **Inventor; and**

(71) **Applicant** (*for SC only*): SUN, Yuanming [CN/CN]; Building 9A, No. 528 Ruiqing Road, Pudong New Area, Shanghai 201201 (CN).

(72) **Inventors:** ZHANG, Qin; Building 9A, No. 528 Ruiqing Road, Pudong New Area, Shanghai 201201 (CN). YANG, Jianzhang; Building 9A, No. 528 Ruiqing Road, Pudong New Area, Shanghai 201201 (CN). XU, Zhongmin; Building 9A, No. 528 Ruiqing Road, Pudong New Area, Shanghai 201201 (CN). LAI, Xinzhong; Floor 6, Building 5, No.29, Science Park Road, Zhongguancun Life Science Park, Changping District, Beijing 102206 (CN). DEERBERG, Joerg; Floor 6, Building 5, No.29, Science Park Road, Zhongguancun Life Science Park, Changping District, Beijing 102206 (CN).

(74) **Agent:** WU, FENG & ZHANG; 3FL, Building 4, Yard 38, LinFengErLu Road, Greenland Central Square, Haidian District, Beijing 100089 (CN).

(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, 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.

(54) **Title:** METHODS OF SYNTHESIS OF CHIRAL 3, 5-DISUBSTITUTED MORPHOLINE COMPOUNDS AND INTERMEDIATES USEFUL THEREIN

(57) **Abstract:** Provided herein are diastereomer-selective synthetic methods and intermediates for making chiral 3, 5-disubstituted morpholine compounds, which are useful for the preparation of compounds useful as mitochondrial-derived activator of caspases (SMAC) mimetics for the treatment of proliferative diseases such as cancer.

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