

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 February 2024 (22.02.2024)



(10) International Publication Number
WO 2024/040109 A3

(51) International Patent Classification:

C07D 403/14 (2006.01) C07D 498/00 (2006.01)
C07D 471/04 (2006.01) A61P 35/00 (2006.01)
C07D 487/04 (2006.01) C07D 519/00 (2006.01)
C07D 487/18 (2006.01)

(21) International Application Number:

PCT/US2023/072298

(22) International Filing Date:

16 August 2023 (16.08.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/371,567	16 August 2022 (16.08.2022)	US
63/378,352	04 October 2022 (04.10.2022)	US
63/384,884	23 November 2022 (23.11.2022)	US
63/476,436	21 December 2022 (21.12.2022)	US
63/482,229	30 January 2023 (30.01.2023)	US
63/493,037	30 March 2023 (30.03.2023)	US
63/498,576	27 April 2023 (27.04.2023)	US

(71) Applicant: **BRISTOL-MYERS SQUIBB COMPANY**
[US/US]; Route 206 and Province Line Road, Princeton,
New Jersey 08543 (US).

(72) Inventors: **FINK, Brian Edward**; c/o Bristol-Myers
Squibb Company, Route 206 and Province Line Road,
Princeton, New Jersey 08543 (US). **NGU, Khehyong**; c/o
Bristol-Myers Squibb Company, Route 206 and Province
Line Road, Princeton, New Jersey 08543 (US). **SHIRUDE,
Pravin S.**; c/o Bristol-Myers Squibb Company, Route 206
and Province Line Road, Princeton, New Jersey 08543
(US). **PANDA, Manoranjan**; c/o Bristol-Myers Squibb
Company, Route 206 and Province Line Road, Princeton,
New Jersey 08543 (US). **JALAGAM, Prasada Rao**; c/
o Bicon Park, Plot Nos. 2 & 3, Bommasandra Ind. Area
IV Phase, Jigani Link Road, Bangalore, KA 560 099 (IN).
NANDA, Laxmi Narayan; c/o Bicon Park, Plot Nos. 2 &
3, Bommasandra Ind. Area IV Phase, Jigani Link Road,
Bangalore, KA 560 099 (IN). **BALIGAR, Vishweshwara-
iah**; c/o Bicon Park, Plot Nos. 2 & 3, Bommasandra Ind.
Area IV Phase, Jigani Link Road, Bangalore, KA 560 099
(IN). **SESHADRI, Balaji**; c/o Bicon Park, Plot Nos. 2 &
3, Bommasandra Ind. Area IV Phase, Jigani Link Road,
Bangalore, KA 560 099 (IN). **SOOSAIRAJ, Excel Mer-
lin**; c/o Bicon Park, Plot Nos. 2 & 3, Bommasandra Ind.
Area IV Phase, Jigani Link Road, Bangalore, KA 560 099
(IN). **PALKOWITZ, Maximilian David**; c/o Bristol-My-
ers Squibb Company, Route 206 and Province Line Road,
Princeton, New Jersey 08543 (US). **CHATTOPADHYAY,
Amit Kumar**; c/o Bicon Park, Plot Nos. 2 & 3, Bommasan-

dra Ind. Area IV Phase, Jigani Link Road, Bangalore, KA
560 099 (IN).

(74) Agent: **COVERT, John M.** et al.; STERNE, KESSLER,
GOLDSTEIN & FOX P.L.L.C., 1101 K Street, NW, 10th
Floor, Washington, District of Columbia 20005 (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, 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))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

18 April 2024 (18.04.2024)

(54) Title: KRAS INHIBITORS

(57) Abstract: The present disclosure provides KRAS inhibitors. Methods of treating cancers using the compounds are also provided.



WO 2024/040109 A3