

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 April 2020 (16.04.2020)



(10) International Publication Number
WO 2020/074461 A1

(51) International Patent Classification:

C07D 263/48 (2006.01) A61P 37/00 (2006.01)
A61P 29/00 (2006.01) A61K 31/541 (2006.01)

(21) International Application Number:

PCT/EP2019/077118

(22) International Filing Date:

07 October 2019 (07.10.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1816369.1 08 October 2018 (08.10.2018) GB

(71) Applicant: SAREUM LIMITED [GB/GB]; Unit 2A,
Langford Arch, London Road, Pampisford Cambridgeshire
CB22 3FX (GB).

(72) Inventor: READER, John Charles; Unit 2A, Langford
Arch, London Road, Pampisford Cambridgeshire CB22
3FX (GB).

(74) Agent: HUTCHINS, Michael R; Schlich, 9 St Catherine's
Road, Littlehampton West Sussex BN17 5HS (GB).

(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).

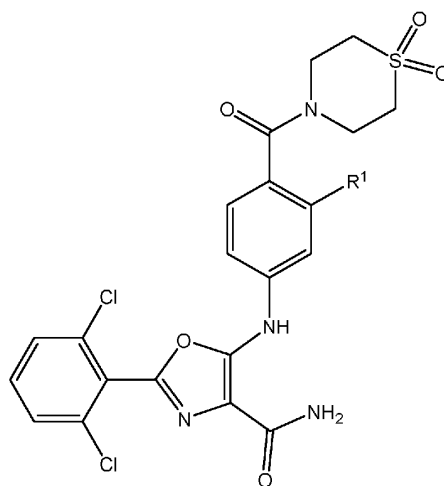
Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- 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))

(54) Title: TYK2 KINASE INHIBITORS



(1)

(57) Abstract: The invention provides compounds of the formula (1): (1) or a salt or tautomer thereof, wherein R¹ is hydrogen or fluorine, pharmaceutical compositions containing the compounds and medical uses of the compounds (for example, in the treatment of inflammatory or immune disorders).



WO 2020/074461 A1