

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 January 2025 (30.01.2025)



(10) International Publication Number
WO 2025/021697 A1

(51) International Patent Classification:

A61K 47/55 (2017.01) C07D 211/60 (2006.01)
A61P 25/28 (2006.01) C07K 5/02 (2006.01)

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).

(21) International Application Number:

PCT/EP2024/070595

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(22) International Filing Date:

19 July 2024 (19.07.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2311267.5 21 July 2023 (21.07.2023) GB

(71) Applicant: UNITED KINGDOM RESEARCH AND IN-
NOVATION [GB/GB]; Polaris House, North Star Avenue,
Swindon Wiltshire SN2 1FL (GB).

(72) Inventors: JAMES, Leo; c/o United Kingdom Research
and Innovation, Polaris House, North Star Avenue, Swin-
don Wiltshire SN2 1FL (GB). FRANCE, David; c/o Uni-
versity of Glasgow, University Avenue, Glasgow G12 8QQ
(GB). CLIFT, Dean; c/o United Kingdom Research and In-
novation, Polaris House, North Star Avenue, Swindon Wilt-
shire SN2 1FL (GB). LUPTAK, Jakub; c/o United King-
dom Research and Innovation, Polaris House, North Star
Avenue, Swindon Wiltshire SN2 1FL (GB).

(74) Agent: CALLAGHAN, Dayle; Kilburn & Strode LLP,
Lacon London, 84 Theobalds Road, London WC1X 8NL
(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, 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,

(54) Title: TRIM21-BINDING MOLECULES

(57) Abstract: The present invention relates to binding molecules comprising a TRIM21 binding moiety and a protein binding moiety for selective degradation of target proteins. The present invention also relates to compositions comprising these molecules, and their uses in therapy. The present invention also relates to TRIM21 binding molecules, and their uses.

WO 2025/021697 A1