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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 September 2025 (11.09.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/186091 A8

(51) International Patent Classification:
C12N 15/10 (2006.01)

(21) International Application Number:
PCT/EP2025/055299

(22) International Filing Date:
27 February 2025 (27.02.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2403099.1 04 March 2024 (04.03.2024) GB

(71) Applicant: **GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED** [GB/GB]; GSK Medicines Research Centre, Gunnels Wood Road, Stevenage SG1 2NY (GB).

(72) Inventors: **TEW, David Graham**; GSK, GSK Medicines Research Centre, Gunnels Wood Road, Stevenage SG1 2NY (GB). **MCKAY, Christopher**; GSK, GSK Medicines Research Centre, Gunnels Wood Road, Stevenage SG1 2NY (GB).

(74) Agent: **SUEN, Victoria**; GSK, Legal & Compliance - Global Patents, 79 New Oxford Street, London WC1A 1DG (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, UY, 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))*
— *with sequence listing part of description (Rule 5.2(a))*

(48) Date of publication of this corrected version:
02 October 2025 (02.10.2025)

(15) Information about Correction:
see Notice of 02 October 2025 (02.10.2025)

(54) Title: NOVEL METHODS FOR THE PURIFICATION OF OLIGONUCLEOTIDES

(57) Abstract: Disclosed herein are novel processes for the purification of oligonucleotides, such as those for use in therapy.

WO 2025/186091 A8