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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 September 2018 (13.09.2018)

WIPO | PCT

(10) International Publication Number
WO 2018/162900 A1

(51) International Patent Classification:
A61K 31/565 (2006.01) *A61K 47/34* (2017.01)
A61K 31/70 (2006.01) *A61K 47/36* (2006.01)
A61K 9/00 (2006.01) *A61K 47/38* (2006.01)
A61K 9/06 (2006.01) *A61K 47/42* (2017.01)
A61K 47/32 (2006.01)

(21) International Application Number:
PCT/GB2018/050579

(22) International Filing Date:
07 March 2018 (07.03.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1703656.7 07 March 2017 (07.03.2017) GB

(71) Applicants: **THE UNIVERSITY OF SHEFFIELD** [GB/GB]; Firth Court, Western Bank, Sheffield South Yorkshire S10 2TN (GB). **COMSATS INSTITUTE OF INFORMATION TECHNOLOGY** [PK/PK]; Lahore (PK).

(72) Inventors: **YAR, Muhammad**; COMSATS Institute of Information Technology, Lahore (PK). **MACNEIL, Sheila**; Dept of Materials Science & Engineering, Kroto Research Institute, University of Sheffield, Broad Lane, Sheffield S3 7HQ (GB).

(74) Agent: **HGF LIMITED**; Document Handling - (HGF) York, 1 City Walk, Leeds Yorkshire LS11 9DX (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,

(54) Title: WOUND HEALING MEDICAMENT

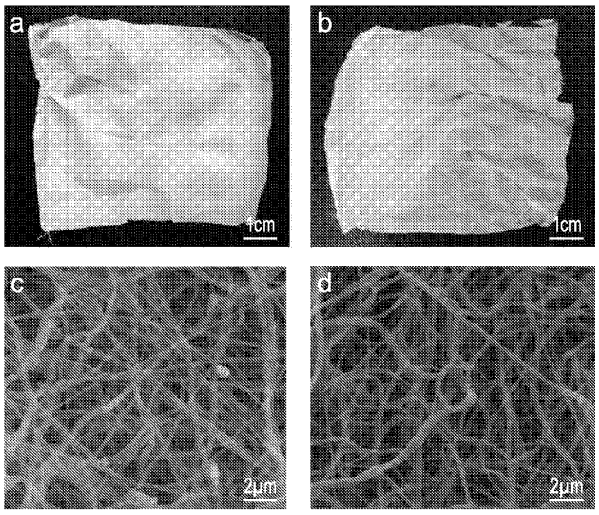


FIG. 1

(57) Abstract: The invention provides a D-deoxyribose sugar for use in promoting wound healing wherein the sugar is provided in a carrier and wherein the carrier is a biocompatible matrix material or a hydrogel.

[Continued on next page]

WO 2018/162900 A1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

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))*