

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
25 October 2018 (25.10.2018)



(10) International Publication Number
WO 2018/193477 A1

(51) International Patent Classification:
A61K 35/76 (2015.01)

(21) International Application Number:
PCT/IN2018/050238

(22) International Filing Date:
20 April 2018 (20.04.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
201711014310 21 April 2017 (21.04.2017) IN

(71) Applicant: **INDIAN INSTITUTE OF TECHNOLOGY, DELHI** [IN/IN]; Indian Institute of Technology Delhi Hauz Khas, New Delhi, Delhi 110 016 (IN).

(72) Inventors: **HASNAIN, Seyed Ehtesham**; Kusuma School of Biological Sciences Indian Institute of Technology Delhi Hauz Khas, New Delhi 110 016 (IN). **EHTESHAM, Nasreen Zafar**; National Institute of Pathology Safdarjung Hospital Campus, Ansari Nagar West, New Delhi 110029 (IN). **TRIPATHI, Deeksha**; Kusuma School of Biological Sciences Indian Institute of Technology Delhi Hauz Khas, New Delhi 110 016 (IN). **GROVER, Sonam**; Kusuma School of Biological Sciences Indian Institute of Technology Delhi Hauz Khas, New Delhi 110 016 (IN). **KUMAR, Ashutosh**; Kusuma School of Biological Sciences Indian Institute of Technology Delhi Hauz Khas, New Delhi 110 016 (IN). **ALAM, Anwar**; Kusuma School of Biological Sciences Indian Institute of Technology Delhi Hauz Khas, New Delhi 110 016 (IN). **PANDEY, Saurabh**; Kusuma School of Biological Sciences Indian Institute of Technology Delhi Hauz Khas, New Delhi 110 016 (IN).

(74) Agent: **LAKSHMIKUMARAN, Malathi** et al.; B6/10, Safdarjung Enclave, New Delhi 110029 (IN).

(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:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))
— in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(54) Title: A MEDICAMENT FOR THE TREATMENT OF DISEASES BY BIOFILM FORMING MICROORGANISMS

(57) Abstract: The present disclosure discloses a medicament comprising a drug selected from a group consisting of acarbose, cyclosporine A, its pharmaceutically acceptable salts thereof, and combinations thereof, for use in treatment of diseases caused by biofilm forming microorganisms. Also, provided herein are methods of treating diseases caused by biofilm forming microorganisms.

WO 2018/193477 A1