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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 November 2018 (29.11.2018)

WIPO | PCT

(10) International Publication Number
WO 2018/218083 A1

(51) International Patent Classification:
C12N 7/01 (2006.01) *A61P 35/00* (2006.01)
C12N 15/861 (2006.01) *A61P 9/00* (2006.01)
A61K 35/761 (2015.01)

(21) International Application Number:
PCT/US2018/034487

(22) International Filing Date:
24 May 2018 (24.05.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/510,647 24 May 2017 (24.05.2017) US
62/514,351 02 June 2017 (02.06.2017) US

(71) Applicant: **EPICENTRX, INC.** [US/US]; 4445 Eastgate Mall, Suite 200, San Diego, California 92121 (US).

(72) Inventors: **LARSON, Christopher**; 3815 Lebon Dr., Apt. 335, San Diego, California 92122 (US). **REID, Tony, R.**; 5517 Carriage Court, San Diego, California 92130 (US). **ORONSKY, Bryan, T.**; 28540 Matadero Creek Lane, Los Altos Hills, California 94022 (US).

(74) Agent: **DAVENPORT, Andrew, M.** et al.; Goodwin Procter LLP, 100 Northern Avenue, Boston, Massachusetts 02210 (US).

(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).

Published:
— *with international search report (Art. 21(3))*
— *with sequence listing part of description (Rule 5.2(a))*

WO 2018/218083 A1

(54) Title: ANTI-ANGIOGENIC ADENOVIRUS

(57) Abstract: The invention relates to a recombinant adenovirus that expresses endostatin, angiostatin, or a combination of endostatin and angiostatin. The invention also relates to method of treating cancer in a subject in need thereof, the method comprising administering to the subject an effective amount of a combination of (i) a recombinant adenovirus and (ii) an anti-angiogenic agent to treat the cancer in the subject.