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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 March 2014 (27.03.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/046983 A1

(51) International Patent Classification:
A61K 31/58 (2006.01) *A61P 35/00* (2006.01)
A61K 31/517 (2006.01)

(21) International Application Number:
PCT/US2013/059841

(22) International Filing Date:
15 September 2013 (15.09.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/703,890 21 September 2012 (21.09.2012) US
61/707,733 28 September 2012 (28.09.2012) US
61/779,509 13 March 2013 (13.03.2013) US

(71) Applicant: **INTENSITY THERAPEUTIC** [US/US]; Intensity Therapeutics, 43 Ledge Wood Road, Redding, CT 06896 (US).

(72) Inventor: **BENDER, Lewis**; 43 Ledge Wood Road, Redding, CT 06896 (US).

(74) Agent: **EMMONS, Richard, B.**; Edward Wildman Palmer LLP, P.O. Box 55874, Boston, MA 02205 (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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, 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))*

WO 2014/046983 A1

(54) Title: METHOD OF TREATING CANCER

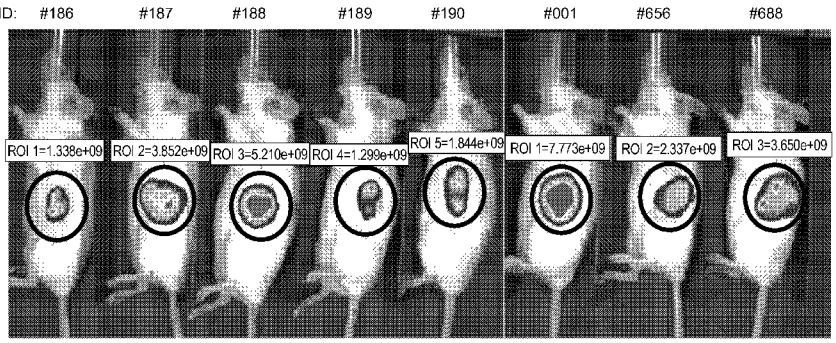


FIG. 1

(57) Abstract: The invention provides a method for treating cancer using a coadministration strategy that combines local codelivery of a therapeutic agent and an intracellular penetration enhancing agent, and optionally in further combination with local administration of an immunotherapeutic agent, such as a cancer vaccine or NKT agonist. The invention also provides a method for treating cancer using an intracellular penetration enhancing agent. The methods of the invention aim to substantially kill and/or destroy the target tumor cells, as well as those cancerous cells that have metastasized to other parts of the body.