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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 January 2015 (22.01.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/009820 A3

(51) International Patent Classification:
A61K 38/12 (2006.01) *C12P 21/06* (2006.01)
A61K 38/10 (2006.01) *C12N 15/00* (2006.01)

(21) International Application Number:
PCT/US2014/046839

(22) International Filing Date:
16 July 2014 (16.07.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/847,455 17 July 2013 (17.07.2013) US

(71) Applicant: **ARAIM PHARMACEUTICALS, INC.** [US/US]; 580 White Plains Road, Suite 210, Tarrytown, NY 10591 (US).

(72) Inventors: **BRINES, Michael**; 580 White Plains Road, Suite 210, Tarrytown, NY 10591 (US). **CERAMI, Anthony**; 580 White Plains Road, Suite 210, Tarrytown, NY 10591 (US).

(74) Agents: **HEBERT, Micheal L.** et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (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, IR, 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))*

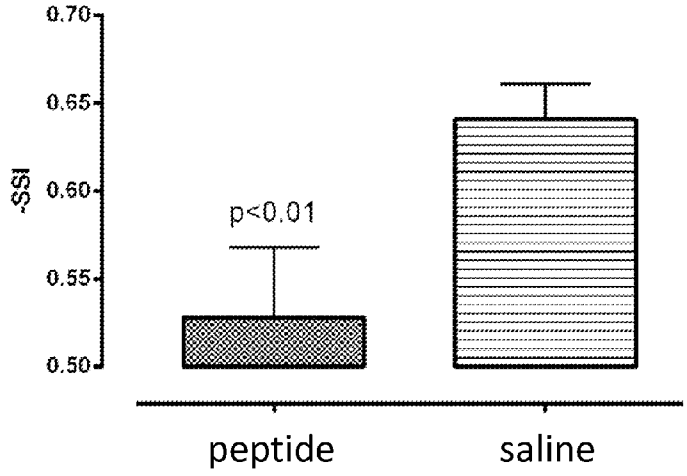
— *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the international search report:
9 April 2015

(54) Title: TISSUE PROTECTIVE PEPTIDES AND PEPTIDE ANALOGS FOR PREVENTING AND TREATING DISEASES AND DISORDERS ASSOCIATED WITH TISSUE DAMAGE

(57) Abstract: The present invention provides peptides and peptide analogs that have tissue protective activities while having little or no potentially undesirable hematopoietic effects. The peptides and peptide analogs are useful in preventing and treating a variety of diseases and disorders associated with tissue damage.

Fig. 1



WO 2015/009820 A3