



(51) International Patent Classification:

A61K 31/4168 (2006.01) A61P 3/04 (2006.01)
A61P 1/16 (2006.01) A61P 3/06 (2006.01)

(21) International Application Number:

PCT/US2023/062077

(22) International Filing Date:

06 February 2023 (06.02.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/307,506 07 February 2022 (07.02.2022) US
63/382,456 04 November 2022 (04.11.2022) US

(71) Applicant: **RIVUS PHARMACEUTICALS, INC.**
[US/US]; 706B Forest Street, Charlottesville, Virginia
22903 (US).

(72) Inventors: **KHAN, Shaharyar**; 1107 Pike Place, Char-
lottesville, Virginia 22901 (US). **JORKASKY, Di-
ane**; 596 Longchamps Dr., Devon, Pennsylvania 19333
(US). **PORTELL, Francisco**; 1053 Tilman Road, Char-
lottesville, Virginia 22901 (US).

(74) Agent: **YANG, Lucy**; Honigman LLP, 650 Trade Centre
Way, Suite 200, Kalamazoo, Michigan 49002-0402 (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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, 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, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, CV,
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, ME, 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))

(54) Title: METHODS OF WEIGHT LOSS AND PRESERVING SKELETAL MUSCLE MASS

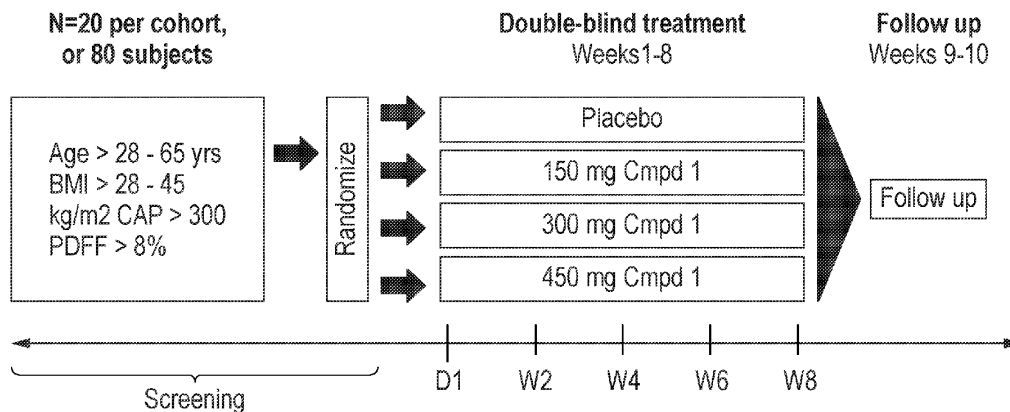


FIG. 1

(57) Abstract: The present disclosure provides a method of preserving skeletal muscle mass during weight loss.