



(51) International Patent Classification:

A61K 36/738 (2006.01) A61P 19/10 (2006.01)
A61P 19/08 (2006.01) A61K 131/00 (2006.01)

(21) International Application Number:

PCT/NZ2009/000059

(22) International Filing Date:

23 April 2009 (23.04.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

567712 24 April 2008 (24.04.2008) NZ

(71) Applicant (for all designated States except US):
FONTERRA CO-OPERATIVE GROUP LIMITED
[NZ/NZ]; 9 Princes Street, Auckland (NZ).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SCHOLLUM, Linda, May** [NZ/NZ]; Fonterra Research Centre, Dairy Farm Road, Palmerston North (NZ). **KRUGER, Marlena, Cathorina** [NZ/NZ]; Massey University, Palmerston North (NZ). **CHANG, Wei-Hang** [NZ/NZ]; Massey University, Palmerston North (NZ).

(74) Agents: **ADAMS, Matthew, D.** et al.; A J Park, 6th Floor Huddart Parker Building, Post Office Square, P O Box 949, Wellington, 6015 (NZ).

(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, BR, BW, BY, BZ, CA, CH, 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, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: COMPOSITIONS AND METHODS FOR MAINTAINING BONE HEALTH OR REDUCING BONE LOSS

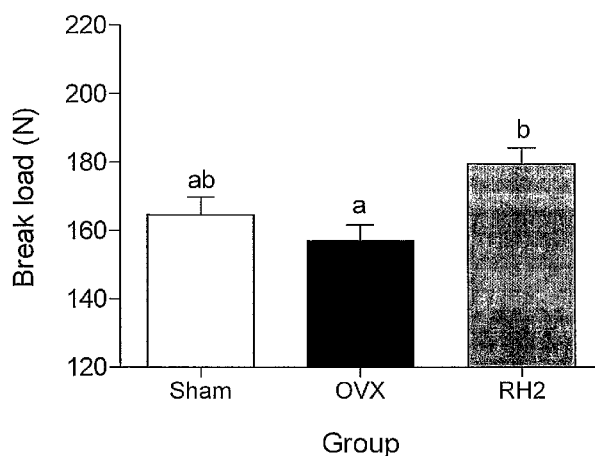


Figure 5

(57) Abstract: Use of a water soluble extract of rosehip for the maintenance or improvement of bone health or bone strength and to treat or prevent bone disorders characterised by weakened or fragile bones. The invention also relates to compositions comprising a water soluble extract of rosehip useful for the maintenance or improvement of bone health or bone strength and to treat or prevent bone disorders characterised by weakened or fragile bones.