



(51) International Patent Classification:

A61K 38/19 (2006.01) A61P 21/00 (2006.01)
A61K 35/12 (2006.01) A61P 25/28 (2006.01)
A61P 3/00 (2006.01) C07K 14/515 (2006.01)
A61P 17/02 (2006.01)

(21) International Application Number:

PCT/AU2009/000603

(22) International Filing Date:

14 May 2009 (14.05.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2008902372 14 May 2008 (14.05.2008) AU
2008902365 14 May 2008 (14.05.2008) AU

(71) Applicants (for all designated States except US): **AGRI-CULTURE VICTORIA SERVICES PTY LTD** [AU/AU]; 475 Mickleham Road, Attwood, Victoria 3049 (AU). **MURRAY GOULBURN CO-OPERATIVE CO. LIMITED** [AU/AU]; 140 Dawson Street, Brunswick, Victoria 3056 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MCDONAGH, Matthew** [AU/AU]; 55 Railway Crescent, Williamstown, Victoria 3016 (AU). **COCKS, Benjamin** [AU/AU]; 297 Banyule Road, Viewbank, Victoria 3084 (AU). **TESTER, Angus** [AU/AU]; 3/61 Wilson Street, Moonee

Ponds, Victoria 3039 (AU). **HOBMAN, Peter** [AU/AU]; 164/299 Queen Street, Melbourne, Victoria 3000 (AU).

(74) Agent: **GRIFFITH HACK**; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).

(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: USE OF ANGIOGENIN OR ANGIOGENIN AGONISTS FOR TREATING DISEASES AND DISORDERS

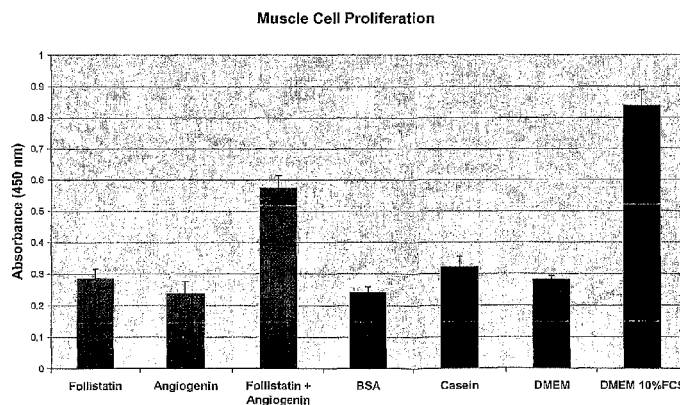


FIGURE 2

(57) Abstract: The invention provides a method of treating a disorder characterised by elevated or dysregulated myostatin, disorders where the interaction between follistatin and angiogenin can be used to improve function in tissues, neurological diseases or disorders, spinal injuries or diseases, bone diseases or disorders, diseases involving glucose homeostasis, wound healing, neuroprotection, nervous system functional support or managing metabolic diseases, the method comprising administering an effective amount of angiogenin or an angiogenin agonist. Compositions and neutraceuticals comprising angiogenin are also provided.