



(51) International Patent Classification:

A61K 31/201 (2006.01) A61K 31/231 (2006.01)
A61P 9/00 (2006.01) A61P 9/10 (2006.01)
A61P 3/06 (2006.01)

(21) International Application Number:

PCT/US2012/027489

(22) International Filing Date:

2 March 2012 (02.03.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/449,015 3 March 2011 (03.03.2011) US

(71) Applicant (for all designated States except US): **TERSUS PHARMACEUTICALS, LLC** [US/US]; 5966 Heisley Road, Mentor, Ohio 44060 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GREEN, Jeffrey** [US/US]; 2568 Eaton Road, University Heights, Ohio 44118 (US).

(74) Agents: **MORENCY, Michel** et al.; **Foley & Lardner LLP**, 111 Huntington Avenue, Boston, MA 02199 (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, 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, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

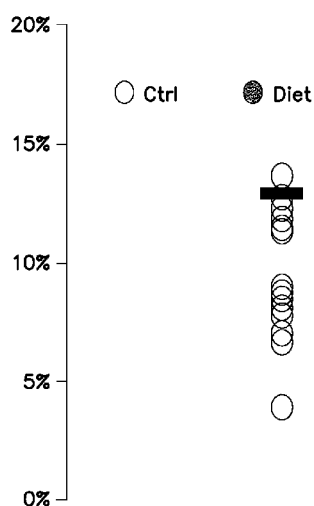
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS COMPRISING C16:1n7-PALMITOLEATE

**FIG. 3**

(57) Abstract: One embodiment described herein is related to methods and compositions, such as nutraceutical formulations and dietary supplements, comprising C16:1n7-palmitoleate or derivatives thereof. The methods and compositions comprising C16:1n7-palmitoleate, or derivatives thereof, safely and effectively prevent or mitigate manifestations of cardiovascular disease, including coronary artery disease and the accumulation of cholesterol or lipid deposits in the blood vessels of a subject.

Published:

- *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*