**Supplementary File**

**Experimental:**

Spectroscopic data of five known compounds (3), (4), (5), (6), and (7) isolated from fruits of Z. armatum.

**Compound 3:** *n*-Dodecanyl linoleniate

Semi-solid, Rf 0.58 (CHCl3:MeOH; 9.5:0.5); UV λmax (MeOH): 205, 228 nm; IR νmax (KBr): 2926, 2856, 1722, 1603, 1491, 1457, 1369, 1271, 1182, 1110, 1026, 971, 712 cm-1; 1H NMR (CDCl3; 500 MHz)): *δ* 7.46 (1H, m, H-10), 7.44 (1H, m, H-12), 7.42 (1H, m, H-13), 7.40 (1H, m, H-15), 7.38 (1H, m, H-16), 7.35 (1H, m, H-9), 4.07 (2H, t, *J* = 6.5 Hz, H2-1'), 2.30 (2H, t, *J* = 7.5 Hz, H2-2'), 2.04 (2H, m, H2-11), 2.02 (2H, m, H2-14), 1.61 (2H, m, H2-8), 1.59 (2H, m, H2-17), 1.32 (2H, m, H2-3), 1.29 (28H, br s, 14 x CH2), 0.89 (3H, t, *J* = 7.0 Hz, Me-18), 0.86 (3H, t, *J* = 6.9 Hz, Me-12'); 13C NMR (CDCl3;125 MHz): *δ* 166.47 (C-1), 51.46 (C-2), 34.28 (C-3), 34.14 (C-4), 31.95 (C-5), 31.63 (C-6), 29.67 (C-7), 34.53 (C-8), 130.15 (C-9), 124.08 (C-10), 34.88 (C-11), 129.72 (C-12), 128.39 (C-13), 34.74 (C-14), 128.25 (C-15), 128.18 (C-16), 34.44 (C-17), 14.13 (C-18), 66.71 (C-1'), 30.21 (C-2'), 29.71 (C-3'), 29.61 (C-4'), 29.48 (C-5'), 29.37 (C-6'), 29.28 (C-7'), 29.17 (C-8'), 27.23 (C-9'), 25.05 (C-10'), 27.70 (C-11'), 13.72 (C-12'); ESIMS *m/z* (rel. int ): 447 [M+H]+(C30H55O2) (1.8), 177 (7.3), 185 (10.3), 157 (36.4), 143 (42.7), 115 (11.6).

**Compound 4:** *n*-octacos-10, 20-dienoic acid

Semi-solid, UV λmax (MeOH): 205, 267 nm; IR νmax (KBr): 3401, 2926, 2854, 1711, 1635, 1461, 1280, 1150, 1036, 939 cm-1; 1H NMR (CDCl3 ; 500 MHz): *δ* 5.36 (1H, m, H-10), 5.34 (2H, m, H-11, H-20), 5.32 (1H, m, H-21), 2.80 (2H, m, H2-9), 2.34 (2H, t, *J* = 7.5 Hz, H2-2), 2.05 (2H, m, H2-12), 2.01 (2H, m, H2-19), 1.62 (2H, m, H2-22), 1.30 (6H, s, 3 x CH2), 1.26 (28H, br s, 14 x CH2), 0.88 (3H, t, *J* = 6.5 Hz, Me-28); 13C NMR (CDCl3 ; 125 MHz): *δ* 179.08 (C-1), 33.89 (C-2), 29.74 (C-3), 29.60 (C-4), 29.15 (C-5), 29.25 (C-6), 29.68 (C-7), 29.74 (C-8), 31.94 (C-9), 131.98 (C-10), 130.26 (C-11), 31.79 (C-12), 29.68 (C-13), 29.60 (C-14), 29.45 (C-15), 29.37 (C-16), 29.25 (C-17), 29.15 (C-18), 29.07 (C-19), 130.03 (C-20), 129.74 (C-21), 29.04 (C-22), 29.01 (C-23), 27.23 (C-24), 25.62 (C-25), 24.69 (C-26), 22.67 (C-27), 14.12 (C-28); ESIMS *m/z* (rel.int.) 421 [M+H]+ (C28H53O2) (4.8), 321 (4.1), 263 (11.9).

 **Compound 5:** (*cis*, *cis*)-Dotriacont-6, 12-dienoic acid

Semisolid, UV λmax**(**MeOH**):** 205, 225 nm, IR νmax (KBr):3199, 2945, 2841, 1705, 1635, 1462, 1377, 1287, 725 cm-1; 1H NMR (CDCl3 ;500MHz): δ 5.38 (1H, m, w1/2 = 8.9 Hz, H-6), 5.35 (1H, m, w1/ 2 = 7.8 Hz, H-7), 5.33 (1H, m, w1/2 = 8.8 Hz, H-12), 5.31 (1H, m, w1/2 = 7.6 Hz, H-13), 2.80 (2H, m, H2-5), 2.34 (2H, t, *J* = 7.5 Hz, H2-2), 2.04 (2H, m, H2-8), 2.01 (2H, m, H2-11), 1.64 (2H, m, H2-14), 1.61 (2H, m, CH2), 1.31 (4H, s, 2 x CH2), 1.29 (10H, br s, 5 x CH2), 1.25 (26H, br s, 13 x CH2), 0.88 (3H, t, *J* = 6.1 Hz, Me-32)H2-5); 13C NMR (CDCl3 ; 125MHz): *δ* 180.55 (C-1), 34.12 (C-2), 29.78 (C-3), 29.74 (C-4), 31.94 (C-5), 131.92 (C-6), 130.01 (C-7), 31.92 (C-8), 29.71 (C-9), 29.68 (C-10), 31.80 (C-11), 129.71 (C-12), 127.76 (C-13), 31.54 (C-14), 29.61 (C-15), 29.59 (C-16), 29.57 (C-17), 29.54 (C-18), 29.48 (C-19), 29.45 (C-20), 29.41 (C-21), 29.15 (C-22), 29.07 (C-23), 29.04 (C-24), 29.01 (C-25), 27.21 (C-26), 27.16 (C-27), 25.63 (C-28), 24.66 (C-29), 22.67 (C-30), 20.55 (C-31), 14.06 (C-32); ESIMS *m/z* (rel. int.); 477 [M+H]+ (C32H61O2) (20.3), 375 (8.5), 349 (12.1), 293 (20.6), 267 (21.7), 211 (19.8).

**Compound 6:** Lignoceric acid (Tetracosanoic acid)

Solid; mp 73–750C; UV λmax: 203, 275; IRνmax (KBr): 3414, 2917, 2849, 1701, 1638, 1468, 1410, 1311, 1271, 1075, 941, 720 cm-1; 1H NMR (CDCl3 ; 500MHz): δ 2.34 (2H, t, *J* = 7.5 Hz, H2-2), 1.63 (2H, m, H2-3), 1.32 (6H, br s, 3 x CH2), 1.29 (14H, 7 x CH2), 1.25 (20H, br s, 10 x CH2), 0.88 (3H, t, *J* = 7.0 Hz, Me-24); 13C NMR (CDCl3;125 MHz): *δ* 179.77 (C-1), 34.01 (C-2), 31.92 (C-3), 29.69 (CH2), 29.68 (CH2), 29.66 (CH2), 29.59 (4 x CH2), 29.43 (3 x CH2), 29.35 (5 x CH2 ), 29.23 (CH2 ), 29.06 (CH2 ), 27.22 (C-21), 24.69 (C-22), 22.68 (C- 23), 14.10 (C-24); ESIMS *m/z* (rel.int.): 369 [M+H]+ (C24H49O3) (80.2).

 **Compound 7:** (*cis*, *cis*)-Dotriacont-6, 8-dienoic acid. Semi-solid

Rf 0.36 (CHCl3: MeOH; 9.5:0.5); UV λmax (MeOH): 206, 273 nm; IRνmax (KBr): 3164, 2901, 2853, 1696, 1635, 1461, 1337, 1242, 1150, 974, 725, cm-1; 1H NMR (CDCl3 ;500 MHz): δ 5.39 5 (1H, m, w1/2 = 4.8. Hz, H-6), 5.36 (1H, m, w1/2 = 5.5 Hz, H-7), 5.32 (1H, m, w1/2 = 5.0 Hz, H-9), 5.30 (1H, m, w1/2 = 6.5 Hz, H-10), 2.78 (2H, m, H2-8), 2.34 (2H, t, *J* = 7.5 Hz, H2-2), 2.05 (2H, m, H2-5), 2.01 (2H, m, H2-11), 1.64 (2H, m, H2-3), 1.31 (2H, m, CH2), 1.29 (24 H, br s, 12 x CH2), 1.25 (16 H, br s, 8 x CH2), 0.86 (3H, t, *J* = 7.0 Hz, Me-32); 13C NMR (CDCl3 ;125 MHz): *δ* 180.34 (C-1), 34.11 (C-2), 29.77 (C-3), 29.74 (C-4), 31.92 (C-5), 131.95 (C-6), 130.23 (C-7), 31.94 (C-8), 130.02 (C-9), 129.73 (C-10), 31.54 (C-11), 29.57 (C-12), 29.68 (C-13), 29.54 (C-14), 29.53 (C-15), 29.48 (C-16), 29.41 (C-17), 29.37 (C-18), 29.36 (C-19), 29.33 (C-20), 29.30 (C-21), 29.25 (C-22), 29.15 (C-23), 29.07 (C-24), 29.04 (C-25), 29.01 (C-26), 27.20 (C-27), 25.62 (C-28), 24.67 (C-29), 22.70 (C-30), 20.55 (C-31), 14.06 (C-32); ESIMS *m/z* (rel.int.): 477 [M+H]+ (C32H61O2), (10.2), 349 (45.8), 335 (61.7), 309 (18.5), 167 (17.2).