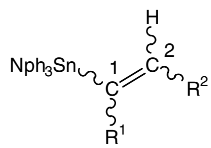
SUPPORTING INFORMATION

Table 2. ^{1}H NMR characteristics of trineophylstannylvinyl ketones 10-17, 21-24, 26, 27 and 29

Nº	Chemical shifts (δ, in ppm)[a]
10	1.13 (s, 6H, ^{2}J(Sn,H) 54.5); 1.22 (s, 18H); 2.14 (s, 3H); 6.14 (d, 1H, ^{3}J(H,H) 12.8; ^{2}J(Sn,H) 65.6); 6.71 (d, 1H, ^{3}J(H,H) 12.8; ^{3}J(Sn,H) 119.9); 7.12-7.20 (m, 15H).
11	1.03 (s, 6H, ^{2}J(Sn,H) 49.7); 1.10 (s, 18H); 2.01 (s, 3H); 5.64 (d, 1H, ^{2}J(H,H) 1.2; ^{3}J(Sn,H) 59.6); 6.19 (d, 1H, ^{2}J(H,H) 1.2; ^{3}J(Sn,H) 124.0); 6.90-7.48 (m, 15H).
12	1.00 (s, 6H, ^{2}J(Sn,H) 48.0); 1.12 (s, 18H); 1.83 (s, 3H); 5.91 (d, 1H, ^{3}J(H,H) 19.1; ^{3}J(Sn,H) 82.6); 6.25 (d, 1H, ^{3}J(H,H) 19.1; ^{2}J(Sn,H) 42.8); 6.90-7.48 (m, 15H).
13	1.17 (s, 18H); 1.29 (s, 6H, ^{2}J(Sn,H) 50.3); 2.00 (s, 3H); 2.01 (d, 3H, ^{4}J(H,H) 1.9, ^{3}J(Sn,H) 42.8); 6.58 (c, 1H, ^{4}J(H,H) 1.9; ^{3}J(Sn,H) 112.3); 7.05-7.25 (m,15H).
14	1.20 (s, 18H); 1.27 (s, 6H, ^{2}J(Sn,H) 51.9); 1.69 (d, 3H, ^{3}J (H,H) 7.2); 2.14 (s, 3H); 6.88 (c, 1H, ^{3}J(H,H) 7.2; ^{2}J(Sn,H) 112.2); 7.12-7.26 (m, 15H).
15	1.00 (s, 6H, ^{2}J(Sn,H) 50.0); 1.62 (d, 3H, ^{3}J(H,H) 7.2); 1.69 (s, 18H); 2.02 (s, 3H); 5.27 (c 1H, ^{3}J(H,H) 7.2; ^{3}J(Sn,H) 66.5); 7.10-7.20 (m, 15H).
16	0.98 (t, 3H, ^{3}J(H,H) 7.1) 1.18 (s, 18H); 1.21 (s, 6H, ^{2}J (Sn,H) nd); 1.42 (m, 4H); 2.15 (m, 2H); 2.18 (s, 3H), 6.87 (t, 1H, ^{3}J (H,H) 7.9; ^{3}J (Sn,H) 118.6); 7.08-7.35 (m, 15H).
17	0.93 (t, 3H, ^{3}J (H,H) 7.0); 1.02 (s, 6H, ^{2}J (Sn,H) 50.0); 1.19 (s, 18H); 1.35 (m, 4H); 2.00 (m, 2H); 2.12(s, 3H), 5.33 (t, 1H, ^{3}J (H,H) 7.2; ^{3}J (Sn,H) 65.2); 7.11-7.35 (m, 15H).
21	1.09 (s, 6H, ^{2}J (Sn,H) 50.5); 1.20 (s, 18H); 1.95 (s, 3H); 6.30 (s, 1H, ^{3}J (Sn,H) 64.1); 6.85-7.57 (m, 20H).
22	1.16 (s, 6H, ^{2}J (Sn,H) 49.2); 1.28(s, 18H); 1.83 (s, 3H); 6.28 (s, 1H, ^{3}J (Sn,H) 64.4); 7.00-7.74 (m, 20H).
23	1.08 (s, 6H, ^{2}J (Sn,H) 51.1); 1.16 (s, 18H); 5.69 (d, 1H, ^{2}J (H,H) 2.0; ^{3}J(Sn,H) 61.5); 5.94 (d, 1H, ^{2}J (H,H) 2.0; ^{3}J (Sn,H) 117.5); 7.00-8.00 (m, 20H).
24	1.26 (s, 6H, ^{2}J (Sn,H) 52.4); 1.32 (s, 18H); 6.52 (d, 1H, ^{3}J (H,H) 12.7; ^{3}J (Sn,H) 69.0); 7.15-7.55 (m, 20H); 7.58 (d, 1H, ^{3}J (H,H) 12.7).
26	0.76 (s, 6H, ^{2}J (Sn,H) 52.1); 0.90 (s, 18H); 1.32 (d, 3H, ^{3}J (H,H) 6.8); 5.38 (c, 1H, ^{3}J (H,H) 6.8, ^{3}J (Sn,H) 63.9); 6.71-7.81 (m, 20H).
27	0.61 (t, 3H, ^{3}J (H,H) 7.4); 0.76 (s, 6H, ^{2}J (Sn,H) 50.8); 0.91 (s, 18H); 1.02 (m, 4H); 1.67 (m, 2H); 5.42 (t, 1H, ^{3}J (H,H) 7.0; ^{3}J (Sn,H) 65.6); 6.79-7.84 (m, 20H).
29	0.95 (s, 6H, ^{2}J (Sn,H) 47.7); 1.05 (s, 18H); 6.43 (s, 1H, ^{3}J (Sn,H) 62.8); 6.89-7.82 (m, 25H).

[a] In $CDCl_3$; multiplicity and *J* values in Hz (in parentheses).

Table 3. ^{13}C NMR characteristics of trineophylstannylvinyl ketones 10-17, 21-24, 26, 27 and 29 [a]



N°	R^1	R^2	Config.	C(1) [$^1J(^{119}Sn,^{13}C)$]	C(2) [$^2J(^{119}Sn,^{13}C)$]	R^1 [$^2J(^{119}Sn,^{13}C)$]	R^2 [$^3J(^{119}Sn,^{13}C)$]	[b]
10	H	COMe	*Z* ( )	157.76 (340.5)	139.54 (26.6)	--	197.40 (nd)	[c]
11	COMe	H		158.73 (329.5)	136.73 (18.2)	203.67 (21.3)	--	[d]
12	H	COMe	*E* ( )	153.01 (316.1)	143.90 (nd)	--	197.25 (24.2)	[e]
13	Me	COMe	*Z* ( )	151.61 (nd)	135.82 (10.7)	17.94 (47.6)	209.45 (29.1)	[f]
14	COMe	Me	*Z* ( )	151.75 (nd)	148.90 (38.5)	204.38 (21.8)	20.39 (28.2)	[g]
15	COMe	Me	*E* ( )	173.25 (nd)	136.98 (15.0)	196.41 (19.0)	27.50 (24.3)	[h]
16	COMe	Bu	*Z* ( )	150.44 (334.9)	141.21 (33.8)	209.17 (27.9)	32.12 (46.8)	[i]
17	COMe	Bu	*E* ( )	154.40 (344.0)	150.63 (nd)	204.63 (25.7)	33.77 (nd)	[j]
21	COMe	Ph	*E* ( )	154.24 (317.4)	138.81 (28.0)	209.95 (17.8)	137.57 (21.8)	[k]
22	Ph	COMe	*E* ( )	137.48 (365.0)	139.60 (27.6)	144.41 (20.3)	198.87 (nd)	[l]
23	H	COPh	*Z*( )	160.44 (339.3)	136.21 (11.5)	--	189.19 (23.9)	[m]
24	COPh	H		157.57 (344.7)	133.78 (32.,8)	201.16 (29.0)	--	[n]
26	COPh	Me	*E* ( )	150.93 (nd)	137.94 (10.1)	202.25 (28.1)	18.80 (45.9)	[o]
27	COPh	Bu	*E* ( )	147.94 (nd)	132.57 (25.9)	201.43 (27.6)	33.42 (nd)	[p]
29	COPh	Ph	*E* ( )	151.81 (365.9)	129.05 (34.0)	201.50 (22.4)	136.10 (nd)	[q]

[a] In $CDCl_3$; chemical shifts, δ, in ppm with respect to TMS; ^nJ(Sn,C) coupling constants, in Hz (in parentheses); nd = not determined. [b] Other signals: [c] 25.44; 31.55 (341.3); 32.93 (37.1); 37.88 (nd); 125.15; 125.36; 127.81; 151.25 (18.2). [d] 30.42; 32.54 (361.7); 32.87 (35.2); 38.06 (19.7); 125.20; 125.38; 127.83; 151.66 (27.3). [e] 24.89; 31.38 (336.0); 33.05 (39.0); 38.01 (21.4); 125.22; 125.54; 127.78; 150.62 (18.1). [f] 30.16; 32.49 (30.2); 33.16 (345.32); 38.14 (19.2); 125.12; 125.39; 127.74; 152.21 (29.5).[g] 26.72 ; 32.60 (38.3); 32.78 (335.5); 38.10 (19.4); 125.20; 125.45; 127.79; 151.59 (25.4). [h] 31.17 (334.1); 31.53; 33.05 (40.7); 37.74 (18.8); 125.31; 125.37; 127.94; 151.84 (19.9). [i] 13.79; 22.21; 31.12(332.3); 31.20; 33.05 (38.3); 37.76 (19.6); 125.29; 125.37; 127.95; 128.31; 150.91 (27.9). [j] 14.01; 22.51; 31.19; 32.59 (34.3); 32.84 (332.5); 38.14 (19.6); 125.35; 125.44; 128.01;151.71(27.9). [k] 30.65; 32.60 (326.8); 33.09 (39.9); 37.79 (19.1); 125.44; 125.57; 127.98; 128.14; 128.36; 150.94 (18.8). [l] 30.22; 30.82 (326.5); 33.09 (38.8); 37.71; 125.27; 125.47; 128.01; 128.19; 138.75; 150.68 (17.1). [m] 32.76 (350.8), 32.92 (39.0); 38.11 (19.7); 125.18; 127-83; 128.39; 132.54; 137.97; 151.73 (24.4). [n] 31.40 (339.5); 33.07 (40.2); 37.83 (19.0); 125.35; 127.95; 128.08; 129.76; 132.25, 137.00; 151.08 (19.6). [o] 31.09 (331.4); 33.07 (36.4); 37.73 (21.9), 125.32; 127.94; 128.43; 129.06; 137.39; 150.94 (19.3). [p] 13.71; 22.10; 31.08 (332.8); 33.07 (34.0); 37.73 (20.7); 125.30; 127.95; 128.34; 129.08; 137.48; 143.03; 151.01 (20.3). [q] 31.47 (331.4); 33.06 (41.1); 37.70 (20.7); 125.05; 125.40; 127.99; 128.24; 128.27; 132.55; 137.18; 136.10; 150.81 (18.5).

Compound **10**. MS(m/z, relative intensity): 455 (100%, $[M - Nph]^+$, Sn-pattern); 323 (2%, $[M - Nph_2]^+$, Sn-pattern); 197 (15%, Sn-pattern); 189 (25%, $[M - Nph_3]^+$, Sn-pattern); 119 (9%, $[Sn]^+$); 91 (79%, $[C_7H_7]^+$); 55 (15%, $[C_3H_3O]^+$). FT IR (neat) 1688 cm^{-1}(C=O).

Compound **13**. MS(m/z, relative intensity): 519 (3%, $[SnNph_3]^+$); 469 (100%, $[M - Nph]^+$, Sn-pattern); 335 (2%, $[M - Nph_2]^+$, Sn-pattern); 203 (23%, $[M - Nph_3]^+$, Sn-pattern); 197 (11%, Sn-pattern); 133 (5%, $[Nph]^+$); 91 (38%, $[C_7H_7]^+$); 55 (8%, $[C_3H_3O]^+$). FT IR (neat) 1681 cm^{-1}(C=O).

Compound **14**. MS(m/z, relative intensity): 519 (3%, $[SnNph_3]^+$); 469 (100%, $[M - Nph]^+$, Sn-pattern); 385 (35%, $[SnNph_2]^+$); 253 (7%, $[SnNph]^+$); 203 (16%, $[M - Nph_3]^+$, Sn-pattern); 197 (17%, Sn-pattern); 133 (16%, $[Nph]^+$); 119 (3%, $[Sn]^+$); 91 (85%, $[C_7H_7]^+$); 55 (16%, $[C_3H_3O]^+$). FT IR (neat) 1665 cm^{-1}(C=O).

Compound **15**. MS(m/z, relative intensity): 519 (3%, $[SnNph_3]^+$); 469 (100%, $[M - Nph]^+$, Sn-pattern); 385 (20%, $[SnNph_2]^+$); 253 (5%, $[SnNph]^+$); 203 (15%, $[M - Nph_3]^+$, Sn-pattern); 197 (14%, Sn-pattern); 133 (11%, $[Nph]^+$); 119 (2%, $[Sn]^+$); 91 (59%, $[C_7H_7]^+$); 55 (11%, $[C_3H_3O]^+$). FT IR (neat) 1670 cm^{-1}(C=O).

Compound **16**. MS(m/z, relative intensity): 511 (100%, $[M - Nph]^+$, Sn-pattern); 385 (20%, $[SnNph_2]^+$); 253 (8%, $[SnNph]^+$); 245 (18%, $[M - Nph_3]^+$, Sn-pattern); 197 (15%, Sn-pattern); 133 (8%, $[Nph]^+$); 91 (74%, $[C_7H_7]^+$); 55 (16%, $[C_3H_3O]^+$). FT IR (neat) 1665 cm^{-1}(C=O).

Compound **17**. MS(m/z, relative intensity): 511 (100%, $[M-Nph]^+$, Sn-pattern); 385 (22%, $[SnNph_2]^+$); 253 (7%, $[SnNph]^+$); 245 (13%, $[M - Nph_3]^+$, Sn-pattern); 197 (18%, Sn-pattern); 133 (13%, $[Nph]^+$); 91 (69%, $[C_7H_7]^+$); 55 (13%, $[C_3H_3O]^+$). FT IR (neat) 1660 cm^{-1}(C=O).

Compound **21**. MS(m/z, relative intensity): 531 (44%, $[M - Nph]^+$, Sn-pattern); 519 (59%, $[SnNph_3]^+$); 403 (45%, Sn-pattern); 385 (36%, $[SnNph_2]^+$); 253 (16%, $[SnNph]^+$); 197 (21%, Sn-pattern); 133 (22%, $[Nph]^+$); 117 (15%, $[Sn]^+$); 105 (13%, $[C_8H_9]^+$); 91 (100%, $[C_7H_7]^+$). FT IR (neat) 1670 cm^{-1}(C=O).

Compound **23**. MS(m/z, relative intensity): 517 (100%, $[M - Nph]^+$, Sn-pattern); 421 (47%, Sn-pattern); 385 (21%, $[SnNph_2]^+$); 253 (12%, $[SnNph]^+$); 251 (15%, $[M - Nph_3]^+$, Sn-pattern); 197 (13%, Sn-pattern); 133 (31%, $[Nph]^+$); 119 (8%, $[Sn]^+$); 105 (41%, $[C_7H_5O]^+$); 91 (99%, $[C_7H_7]^+$). FT IR (neat) 1671 cm^{-1}(C=O).

Compound **24**. MS(m/z, relative intensity): 517 (100%, $[M - Nph]^+$, Sn-pattern); 421 (7%, Sn-pattern); 385 (6%, $[SnNph_2]^+$); 253 (7%, $[SnNph]^+$); 251 (15%, $[M - Nph_3]^+$, Sn-pattern); 197 (19%, Sn-pattern); 133 (12%, $[Nph]^+$); 119 (15%, $[Sn]^+$); 105 (21%, $[C_7H_5O]^+$); 91 (86%, $[C_7H_7]^+$). FT IR (neat) 1673 cm^{-1}(C=O).

Compound **26**. MS(m/z, relative intensity): 530 (44%, $[M - Nph]^+$, Sn-pattern); 420 (11%, Sn-pattern); 384 (34%, $[SnNph_2]^+$); 264 (7%, $[M - Nph_3]^+$, Sn-pattern); 252 (11%, $[SnNph]^+$); 197 (21%, Sn-pattern); 133 (24%, $[Nph]^+$); 105 (22%, $[C_7H_5O]^+$); 91 (100%, $[C_7H_7]^+$). FT IR (neat) 1665 cm^{-1}(C=O).

Compound **27**. MS(m/z, relative intensity): 571 (7%, $[M - Nph]^+$, Sn-pattern); 517 (8%, $[SnNph_3]^+$); 505 (21%, Sn-pattern); 384 (46%, $[SnNph_2]^+$); 252 (11%, $[SnNph]^+$); 196 (19%, Sn-pattern); 133 (24%, $[Nph]^+$); 105 (31%, $[C_7H_5O]^+$); 91 (100%, $[C_7H_7]^+$). FT IR (neat) 1671 cm^{-1}(C=O).

Compound **29**. MS(m/z, relative intensity): 592 (17%, $[M - Nph]^+$, Sn-pattern); 519 (41%, $[SnNph_3]^+$); 507 (23%, Sn-pattern); 403 (8%, Sn-pattern); 385 (42%, $[SnNph_2]^+$); 327 (8%, $[M - Nph_3]^+$, Sn-pattern); 253 (12%, $[SnNph]^+$); 197 (25%, Sn-pattern); 133 (17%, $[Nph]^+$); 105 (46%, $[C_7H_5O]^+$); 91 (100%, $[C_7H_7]^+$); 77 (19%, $[C_6H_5]^+$). FT IR (neat) 1665 cm^{-1}(C=O).