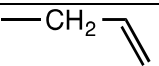
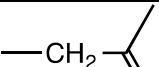
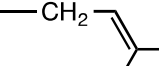
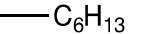
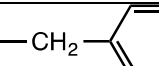
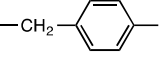


R (n)	X ⁻	Yield	UV/Vis (λ/ε)	¹ H NMR (δ,split, #H)	¹³ C (δ)	Analyses %Calc./%Found
 (1)	Cl ⁻	25.2%	261/2.9x10 ³	5.16, d, 2H; 5.47, m. 2H; 6.07, m, 1H; 8.00, AA'BB', 4H; 8.54, AA'BB', 4H	63.09, 122.39, 123.20, 125.89, 129.76, 142.32(q), 144.77, 149.91, 153.82(q)	C: 67.10/66.96 H: 5.63/5.78 N: 12.04/11.91 C ₁₃ H ₁₃ N ₂ Cl
 (2)	Cl ⁻	43.2%	261/1.5x10 ⁴	1.66, s, 3H; 4.94, bs, 1H; 5.12, s, 2H; 5.17, bs, 1H; 8.16, AA'BB', 4H; 8.58, AA'BB', 4H	18.62, 61.63, 117.84, 122.38, 125.92, 138.26(q), 142.16(q), 144.98, 149.96, 153.83(q)	C: 68.15/68.02 H: 6.13/6.24 N: 11.35/11.19 C ₁₄ H ₁₅ N ₂ Cl
 (3)	Cl ⁻	44.8%	258/1.7x10 ⁴	1.76, bs, 3H; 1.78, bs, 3H; 5.13, bs, 2H; 5.46, m, 1H; 8.18, AA'BB', 4H; 8.50, AA'BB', 4H	17.47, 24.94, 61.65, 114.68, 122.40, 125.69, 142.54(q), 144.24, 145.83(q), 149.82, 153.47(q)	C: 69.09/68.97 H: 6.57/6.71 N: 10.74/10.65 C ₁₅ H ₁₇ N ₂ Cl
 (4)	Br ⁻	37.3%	260/2.1x10 ⁴	0.76, t, 3H; 1.20, m, 6H; 1.96, m, 2H; 4.55, t, 2H; 8.30 AA'BB', 4H; 8.60, AA'BB', 4H	13.13, 21.68, 24.84, 30.27, 30.44, 61.64, 122.43, 125.93, 142.55(q), 144.69, 149.94, 153.61(q)	C: 59.82/59.67 H: 6.59/6.74 N: 8.72/8.66 C ₁₆ H ₂₁ N ₂ Br
 (5)	Cl ⁻	42.2%	261/1.1x10 ⁴	5.75, s, 2H; 7.58, AA'BB', 4H; 8.02, AA'BB', 4H; 8.76, AA'BB', 4H	122.39, 126.03, 129.06, 129.59, 129.98, 132.58(q), 142.29(q), 144.74, 149.94, 154.00(q)	C: 72.12/72.06 H: 5.35/5.61 N: 9.91/9.84 C ₁₇ H ₁₅ N ₂ Cl
 (6)	Br ⁻	85.6%	268/2.5x10 ⁴	5.89, s, 2H; 7.68, AA'BB', 4H; 7.84, AA'BB', 4H; 8.77, AA'BB', 4H	63.01, 122.31, 123.18, 124.45, 129.78, 139.65(q), 142.26(q), 145.18, 148.14(q), 149.84, 154.44(q)	C: 54.86/54.68 H: 3.79/3.91 N: 11.29/11.08 C ₁₇ H ₁₄ N ₃ O ₂ Br

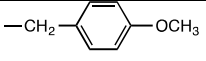
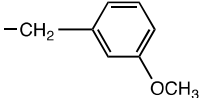
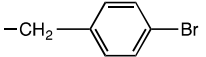
 (7)	Cl ⁻	73.4%	228/1.2x10 ⁴ 260/2.0x10 ⁴	3.65, s, 3H; 5.61, s, 2H; 7.51, AA'BB', 4H; 7.54, AA'BB', 4H; 8.08, AA'BB', 4H	55.30, 61.62, 114.84, 122.32, 124.87(q), 125.89, 130.97, 142.16(q), 144.44, 149.88, 153.74(q), 159.96(q)	C: 69.12/69.06 H: 5.48/5.53 N: 8.96/8.81 C ₁₈ H ₁₇ N ₂ OCl
 (8)	Br ⁻	32.8%	257/1.8x10 ⁴	3.67, s, 3H; 5.63, s, 2H; 6.89-8.84, m, 12H	55.34, 63.97, 114.57, 115.38, 121.56, 121.58, 125.85, 130.93, 133.99(q), 141.95(q), 145.21(q), 149.25, 144.89, 153.81(q)	C: 60.52/60.40 H: 4.80/5.01 N: 7.84/7.77 C ₁₈ H ₁₇ N ₂ OBr
 (9)	Br ⁻	96.5%	261/1.8x10 ⁴	5.69, s, 2H; 7.65, AA'BB', 4H; 8.27, AA'BB', 4H; 9.06, AA'BB', 4H	61.85, 121.97, 122.90(q), 125.87, 131.21, 132.11, 133.61(q), 140.78(q), 145.33, 150.94, 152.77(q)	C: 50.28/50.12 H: 3.47/3.61 N: 6.90/6.83 C ₁₇ H ₁₄ N ₂ Br ₂

Table 1 - Yields, spectroscopic and analytical data for new compounds 1-substituted-[4,4'-bipyridin]-1-ium halides (**1**)-(9)