Supporting Information

General Methods. ^{1}H and ^{13}C NMR spectra were measured with 200 MHz (50 MHz) using tetramethylsilane as the internal standard. $CDCl_3$ is the solvent for all NMR experiments. All solvents used were of reagent grade and were further dried. Reactions were monitored by TLC on silica gel 60_{P254} and detected either by UV-absorption or by staining with H_2SO_4/ 4-methoxybenzaldehyde in ethanol. Flash column chromatography was performed on silica gel 60 (230-400 mesh). Except for alkyne **33** and allenes **34** and **35**, all starting compounds are commercially available. Alkyne **33** was synthesized according to reference[1]. Preparation of allenes **34** and **35** was achieved according to reference [2]. The general procedures for the preparation of functionalized polymers **3a-c** and their use in 1,2-cohalogentions of alkenes are described in references 7 and 11 of the main manuscript. Products **13** and **14** have been described before[3]. Iodinated products gave molecular peaks with small intensities when analysed by mass spectrometry (DCI or EI).

***trans*-1-Acetoxy-2-iodo-indane (14):** Indene **5** (116 mg, 1 mmol) was used to prepare the title compound **14** (202 mg, 0.67 mmol, 67 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 80:1).
14: oil; ^{1}H NMR δ 7.43 - 7.24 (m, 4H), 6.38 (d, *J* = 3.6 Hz, 1H), 4.48 (ddd, *J* = 3.6, 4.4, 6.6 Hz, 1H), 3.74 (dd, *J* = 6.6, 17.0 Hz, 1H), 3.33 (dd, *J* = 4.4, 17.0 Hz, 1H), 2.10 (s, 3H,); ^{13}C-NMR δ: 170.3 (s), 142.0, 138.5 (s), 129.6, 127.5, 125.7, 124.7 (s), 85.6 (d), 43.3 (t), 24.2 (d), 20.9 (q).

1-(Acetoxy-2-iodo-ethyl)-4-bromo-benzene (15): 4-Bromostyrene **6** (183 mg, 1 mmol) was used to prepare the title compound **15** (210 mg, 0.57 mmol, 57 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 35:1).

15: oil; IR (film): 601, 820, 1011, 1071, 1231, 1371, 1488, 1591, 1742 cm^{-1}.
^{1}H NMR δ 7.55 - 7.44 (m, 2H), 7.28 - 7.16 (m, 2H), 5.81 (dd, *J* = 6.0, 7.2 Hz, 1H), 3.46 (dd, *J* = 10.6, 7.2 Hz, 1H,), 3.41 (dd, *J* = 10.6, 6.0 Hz, 1H), 2.13 (s, 3H); ^{13}C-NMR δ: 169.6 (s), 137.4 (s), 2x 131.8 (d), 2x 128.1 (d), 122.8 (s), 74.4 (d), 20.9 (q), 7.2 (t).

1-(1-Acetoxy-2-bromo-propyl)-4-methoxy-benzene (16), 1-(1,2-Dibromo-propyl)-4-methoxy-benzene (23), 1-(1-Hyroxy-2-bromo-propyl)-4-methoxy-benzene (24): Anethol **7** (148 mg, 1 mmol) was used to prepare the title compounds (**16**) (124 mg, 0.43 mmol, 43 %), (**23**) (93 mg, 0.26 mmol, 26 %) and (**24**) (24 mg, 0.08 mmol, 8 %) *via* the general procedure. Purification was achieved by column chromatography (petroleum ether/ethyl acetate 7.5:1).
first fraction **23** (two diastereomers 1*:1.5): oil; IR (film): 574, 832, 1030, 1178, 1252, 7443, 1513, 1609, 2932, 2962 cm^{-1}. ^{1}H NMR δ 7.45 - 7.25 (m, 2x 2H), 6.95 - 6.85 (m, 2x 2H), 5.23*, 5.05 (2x d, *J* = 5.6*, 10.4 Hz, 2x 1H), 4.68 - 4.51 (m, 2x 1H), 3.81 (s, 2x 3H), 2.04, 1.71* (2x d, *J* = 6.6, 6.8* Hz, 2x 3H); ^{13}C-NMR δ: 159.7, 159.8* (s), 2x 132.8 (s), 2x 130.2*, 2x 128.9, (d), 2x 113.9, 2x 113.5* (s), 59.4, 58.9*, 53.2*, 51.6, (s), 2x 55.3 (q), 25.9, 22.2* (q).
second fraction **16:** oil; IR (film): 604, 757, 828, 1032, 1234, 1371, 1515, 1612, 1744, 2837, 2933 cm^{-1}. ^{1}H NMR δ 7.33 - 7.23 (m, 2H), 6.93 - 6.84 (m, 2H), 5.88 (d, *J* = 5.6 Hz, 1H), 4.34 (dq, *J* = 6.8, 5.6 Hz, 1H), 3.8 (s, 3H,), 2.13 (s, 3H,), 1.65 (d, *J* = 6.8 Hz, 3H); ^{13}C-NMR δ 169.7 (s), 159.6 (s), 129.2 (s), 2x 128.4 (d), 2x 113.6 (d), 77.9 (d), 55.2 (q), 50.4 (d), 21.0 (q), 20.9 (q).
third fraction **24:** oil; IR (film): 813, 833, 1032, 1175, 1250, 1512, 1611, 1708, 2837, 2931, 2959, 3456 cm^{-1}. ^{1}H NMR δ 7.35 - 7.25 (m, 2H), 6.85 - 6.95 (m, 2H), 4.95 (d, *J* = 3.6 Hz, 1H), 4.37 (dq, *J* = 6.8, 3.6 Hz, 1H), 3.81 (s, 3H, OCH_3), 1.56 (s, 3H, $CHBrC\mathit{H}_3$); ^{13}C-NMR δ 159.3 (s), 131.7 (s), 2x 127.5 (d), 2x 113.7 (d), 77.4 (d), 56.4 (d), 55.3 (q), 18.9 (q).

1-(1-Acetoxy-2-iodo-propyl)-4-methoxy-benzene (17). Anethol **7** (148 mg, 1 mmol) was used to prepare the title compound **17** (293 mg, 0.88 mmol, 88 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 25:1).
17: oil; IR (film): 828, 1031, 1231, 1371, 1444, 1514, 1612, 1743, 2837, 2933, 2968 cm^{-1}; ^{1}H NMR δ 7.32 - 7.22 (m, 2H), 6.94 - 6.84 (m, 2H), 5.78 (d, *J* = 6.0 Hz, 1H), 4.41 (dq, *J* = 6.0, 7.0 Hz, 1H), 3.81 (s, 3H), 2.13 (s, 3H), 1.85 (d, *J* = 7.0 Hz, 3H); ^{13}C NMR δ 169.6 (s), 159.6 (s), 129.8, (s), 2x 128.3 (d), 2x 113.6 (d), 78.9 (d), 55.2 (q), 28.8 (d), 23.2 (q), 21.0 (q).
Compound **17** was prepared independently in solution. A mixture of $PhI(OAc)_2$ **2a** (0.49 g, 1.5 mmol) and Et_4NI (0.26 g, 1.0 mmol) in CH_2Cl_2 (10 mL) was stirred for 2h at –30°C until the solution had turned to a dark red. Styrene **7** (74 mg, 0.5 mmol) was added and stirring was continued for 12 h by which the temperature had been raised to –20°C. The reaction mixture was treated with acetonitrile (5 ml), washed with $NaHSO_3$ (2x) and the aqueous phase was extracted with CH_2Cl_2 (4x). The combined organic extracts were dried ($MgSO_4$) and concentrated under reduced pressure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 25:1) to afford two fractions.
first fraction **7** (118 mg, 0.35 mmol; 70%).
second fraction **45** (26 mg, 0.0 mmol; 18%): oil; ^{1}H NMR δ 7.33 - 6.85 (2d, 4H), 4.88 (dd, *J* = 3.2, 4.0 Hz, 1H), 4.48 (dq, *J* = 4.0, 7.0 Hz, 1H), 3.81 (s, 3H), 2.31 (d, *J* = 3.2 Hz, 1H), 1.75 (d, *J* = 7.0 Hz, 3H).

(3-Acetoxy-propenyl)-benzene (18) and **(1-Acetoxy-3-chloro-2-iodo-propyl)-benzene (25):** (3-Chloropropenyl)-benzene **8** (152 mg, 1 mmol) was used to prepare the title compound **18** (156 mg, 0.88 mmol, 88 %) and **25** (41 mg, 0.12 mmol, 12 %) *via* the general procedure described above. Purification was achieved by column chromatography (petroleum ether/ethyl acetate 35:1).

25: oil; IR (film): 639, 746, 966, 1229, 1257, 1363, 1449, 1737, 2934, 3028 cm^{-1}.

^{1}H NMR δ 7.50 - 7.20 (m, 5H), 6.66 (dt, *J* = 16, 1.2 Hz, 1H), 6.28 (dt, *J* = 16, 6.4 Hz, 1H), 4.73 (dd, *J* = 6.4, 1.2 Hz, 2H), 2.1 (s, 3H); ^{13}C-NMR δ 170.8 (s), 136.1 (s), 134.2 (d), 2x 128.5 (d), 128.1 (d), 2x 126.6 (d), 123.1 (d), 65.1 (t), 21.1 (q).

18: oil; ^{1}H NMR δ 7.50 - 7.20 (m, 5H), 5.89 (d, *J* = 5.4 Hz, 1H), 4.69 (ddd, *J* = 5.4, 5.4, 8.4 Hz, 1H), 3.98 (dd, *J* = 5.4, 11.8 Hz, 1H), 3.61 (dd, *J* = 8.4, 11.8 Hz, 1H), 2.41 (s, 3H); ^{13}C-NMR δ 169.2 (s), 135.9 (s), 129.0 - 127.1 (d), 74.5 (d), 46.3 (t), 34.5 (d).

1-(2-Acetoxy-1-iodo-2-methoxy-ethyl)-benzene (19): ω-*trans*-Methoxystyrene **9** (134 mg, 1 mmol) was used to prepare the very sensitive title compound **19** (253 mg, 0.79 mmol, 79 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 20:1) at 0°C.

19: oil; ^{1}H NMR δ 7.47 - 7.21 (m, 5H), 6.01 (d, *J* = 6.0 Hz, 1H), 5.16 (d, *J* = 6.0 Hz, 1H), 3.41 (s, 3H), 2.13 (s, 3H); ^{13}C-NMR δ: 170.6 (s), 138.6 (s), 2x 128.8 (d), 2x 128.6 (d), 128.4 (d), 99.7 (d), 57.8 (q), 30.6 (d), 21.0 (q).

1-(1-Acetoxy-2-iodo-propyl)-3,4-dimethoxy-benzene (20): Methylisoeugenol **10** (178 mg, 1 mmol) was used to prepare the title compound **20** (364 mg, 0.74 mmol, 74 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 10:1).

20: oil; ^{1}H NMR δ 6.94 - 6.80 (m, 3H), 5.78 (d, *J* = 6.0 Hz, 1H), 4.43 (dq, *J* = 6.0, 7.0 Hz, 1H), 3.90 (s, 1H), 3.87 (s, 1H), 2.15 (s, 3H), 1.85 (d, *J* = 7.0 Hz, 3H); ^{13}C-NMR δ: 169.6 (s), 149.1, 148.7 (d), 130.1 (d), 119.6, 110.6, 110.2 (d), 79.1 (d), 55.9, 55.8 (q), 28.6 (d), 23.3 (q), 21.0 (q).

1-(1-Acetoxy-2-iodo-ethyl)-4-benzyloxy-3-methoxy-benzene (21): 4-Benzyloxy-3-methoxy-styrene **11** (240 mg, 1 mmol) was used to prepare the title compound **21** (323 mg, 0.76 mmol, 76 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 25:1).

21: oil; ^{1}H NMR δ 7.46 - 7.24 (m, 5H), 6.90 - 6.82 (m, 3H), 5.82 (dd, *J* = 7.9, 5.5 Hz, 1H), 5.14 (s, 2H), 2.90 (s, 3H), 3.48 (dd, *J* = 10.4, 7.9 Hz, 1H), 3.40 (dd, *J* = 10.4, 5.5 Hz, 1H), 2.11 (s, 3H); ^{13}C-NMR δ: 169.8 (s), 149.6, 148.4, 136.8, 131.3 (s), 2x 128.5, 127.9, 2x 127.2, 118.9, 113.6, 110.1 (d), 75.1 (d), , 70.9 (t), 56.0 (q), 21.0 (q), 7.8 (t).

3-Iodo-2,2-dimethyl-tetrahydrofuran (22): 4-Methyl-pent-3-ene-1-ol **12** (100 mg, 1 mmol) was used to prepare the title compound **22** (210 mg, 0.93 mmol, 93 %) *via* the general procedure. Further purification was unnecessary.

22: oil; ^{1}H NMR δ 4.00 - 3.76 (m, 3H), 2.61 (dddd, *J* = 13.0, 7.7, 7.7, 5.2 Hz, 1H), 2.38 (dddd, *J* = 13.0, 8.9, 8.9, 7.1 Hz, 1H), 1.39 (s, 3H), 1.34 (s, 3H); ^{13}C-NMR δ 82.1 (s), 65.2 (t), 37.7 (t), 31.0 (d), 26.4 (q), 25.0 (d).

3-Acetoxy-2-iodo-3-methyl-butane-1-ol (27) and **1-Acetoxy-2-iodo-3-methyl-butane-3-ol (28):** 3-Methyl-but-2-ene-1-ol **26** (86 mg, 1 mmol) was used to prepare the title compounds **27** and **28** (250 mg, 0.91 mmol, 91 %) *via* the general procedure. The crude product was sufficiently pure so that further purification was unnecessary. In $CDCl_3$, tertiary alcohol **28** was the only isomer after 48h, as judged by NMR spectroscopy.

27: oil; ^{1}H NMR δ 4.44 (dd, *J* = 12.0, 6.8 Hz, 1H), 4.39 (dd, *J* = 12.0, 6.6 Hz, 1H), 4.35 (dd, *J* = 6.8, 6.6 Hz, 1H), 2.12 (s, 3H), 1.46 (s, 3H), 1.45 (s, 1H); ^{13}C-NMR δ 170.4 (s), 71.6 (d), 66.9 (t), 46.6 (d), 28.0, 27.6 (q), 21.0 (q).

28: oil; ^{1}H NMR δ 4.98 (dd, *J* = 7.6, 4.2 Hz, 1H), 3.83 (dd, *J* = 12.7, 7.6 Hz, 1H), 3.74 (dd, *J* = 12.7, 4.2 Hz, 1H), 2.03 (s, 3H), 1.70 (s, 3H), 1.60 (s, 1H); ^{13}C-NMR δ 170.2 (s), 81.8 (d), 65.2 (t), 48.6 (d), 26.2, 24.2 (q), 22.3 (q).

1-Iodo-3-methoxy-propyne (36): Methylpropargyl ether **29** (70 mg, 1 mmol) was used to prepare the title compound **36** (138 mg, 0.70 mmol, 70 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 20:1).

36: oil; IR (film): 897, 985, 1099, 1186, 1357, 1448, 1618, 2184, 2363, 2823, 2932 cm^{-1}.

^{1}H NMR δ 4.24 (s, 2H), 3.38 (s, 3H); ^{13}C-NMR δ 90.3 (s), 61.2 (q), 57.7 (t), 2.9 (s).

Iodoethynyl-benzene (37): Phenylacetylene **30** (102 mg, 1 mmol) was used to prepare the title compound **37** (185 mg, 0.81 mmol, 81 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 50:1).

37: oil; IR (film): 689, 754, 915, 1025, 1069, 1442, 1488, 1597, 2170, 3030, 3057, 3079 cm^{-1}. ^{1}H NMR δ 7.47-7.26 (m, 5H); ^{13}C-NMR δ 2x 132.3 (d), 128.8 (d), 2x 128.2 (d), 123.3 (s), 94.1 (s), 6.2 (s).

6-(1,1´-Diiodomethylene)-tetrahydropyran-2-one (38): 5-Hexynoic acid **31** (112 mg, 1 mmol) was used to prepare the title compound **38** (208 mg, 0.57 mmol, 57 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 7.5:1).

38: oil; IR (KBr): 689, 736, 766, 946, 1056, 1119, 1158, 1218, 1328, 1414, 1597, 1764 cm^{-1}; ^{1}H NMR δ 2.80, 2.58 (2x t, *J* = 6.6 Hz, 2x 2H), 1.90 (q, *J* = 6.6 Hz, 2H); ^{13}C-NMR δ 166.4 (s), 153.4 (s), 29.7, 29.3 (t), 18.2 (t), -2.4 (s).

6-Iodo-hex-5-ynenitrile (39): 5-Hexynenitrile **32** (93 mg, 1 mmol) was used to prepare the title compound **39** (180 mg, 0.82 mmol, 82 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 8:1).
39: oil; ^{1}H NMR δ 2.56, 2.50 (2x t, *J* = 6.8, 7.2 Hz, 2x 2H), 1.88 (q, *J* = 6.8 Hz, 2H); ^{13}C-NMR δ 119.4 (s), 92.0 (s), 24.8 (t), 20.3 (t), 16.5 (t), -3.6 (s).

1-Iodo-3-(O-*tert*-butyl-diphenyl-silyl)-oct-1-yne (40): (3*S*)-3-(*tert*-butyl-diphenyl-siloxy)-oct-1-yne **33** (364 mg, 1 mmol) was used to prepare the title compound **40** (387 mg, 0.79 mmol, 79 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether).
40: oil; ^{1}H NMR δ 7.80 - 7.60 (m, 4H), 7.50 - 7.30 (m, 6H), 4.43 (t, *J* = 6.4 Hz, 1H), 1.1 - 1.74 (m, 8H), 1.07 (s, 9H), 0.85 (t, *J* = 6.8 Hz, 3H); ^{13}C-NMR δ 2x 136.1 (d), 2x 135.8 (d), 133.5 (s), 133.4 (s), 129.7 (d), 129.6 (d), 2x 127.6 (d), 2x 127.4 (d), 96.0 (s), 65.3 (d), 38.3, 31.3, 24.4, 22.4 (t), 3x 26.9 (q), 19.3 (s), 14.0 (q), 1.0 (s).

1-Acetoxy-2-iodo-1-methoxy-prop-2-ene (41): Methoxyallene **34** (70 mg, 1 mmol) was used to prepare the title compound **41** (202 mg, 0.79 mmol, 79 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 20:1).
41: oil; ^{1}H NMR δ 6.61 (dd, *J* = 2.0, 0.8 Hz, 1H), 6.07 (d, *J* = 2.0, 1H), 5.72 (bs, 1H), 3.49 (s, 3H), 2.16 (s, 3H); ^{13}C-NMR δ 169.9 (s), 129.3 (t), 104.6 (s), 98.7 (d), 56.2 (q), 21.0 (q).

1-Benzyloxy-2-bromo-1-methoxy-prop-2-ene (42): Benzyloxyallene **35** (146 mg, 1 mmol) was used to prepare the title compound **42** (171 mg, 0.60 mmol, 60 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 20:1).
42: oil; ^{1}H NMR δ 7.39 - 7.28 (m, 5H), 6.23 (bs, 1H), 6.15 (dd, *J* = 2.0, 0.8 Hz, 1H), 5.75 (d, *J* = 2.0 Hz, 1H), 4.77, 4.68 (2x d, *J* = 12 Hz, 2x 1H), 2.11 (s, 3H); ^{13}C-NMR δ 170.0 (s), 134.4 (s), 2x 128.4 (d), 128.1 (d), 2x 127.9 (d), 127.3 (s), 120.5 (t), 95.4 (d), 71.1 (t), 20.9 (q).

1-Benzyloxy-2-iodo-1-methoxy-prop-2-ene (43): Benzyloxyallene **35** (146 mg, 1 mmol) was used to prepare the title compound **43** (222 mg, 0.67 mmol, 67 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 35:1).
43: oil; ^{1}H NMR δ 7.39 - 7.28 (m, 5H), 6.60 (dd, *J* = 1.8, 0.8 Hz, 1H), 6.06 (d, *J* = 1.8 Hz, 1H), 5.93 (bs, 1H), 4.76, 4.67 (2x d, *J* = 12.0 Hz, 2x 1H), 2.11 (s, 3H); ^{13}C-NMR δ 170.3 (s), 136.9 (s), 129.6 (t), 2x 128.9 (d), 128.5 (d), 2x 128.3 (d), 105.2 (s), 97.4 (d), 71.2 (t), 21.4 (q).

***trans*-2-Iodo-1-trifluoroacetoxy-cyclohexane (46):** Cyclohexene **4** (164 mg, 2 mmol) was used to prepare the title compounds **46** (457 mg, 1.42 mmol, 71 %) *via* the general procedure. Purification was achieved by flash column chromatography (petroleum ether/ethyl acetate 5:1).
46: oil; ^{1}H NMR δ 5.09 (dt, *J*= 8.4, 4.2 Hz, 1H), 4.12 (dt, *J*= 8.4, 4.0 Hz, 1H), 2.5-1.25 (m, 8H); ^{13}C-NMR δ: 156.6 (q), 114.7 (q), 80.9 (d), 37.3 (d), 30.7 (t), 28.2 (t), 26.5 (t), 23.3 (t).

***trans*-2-Iodo-1-trifluoroacetoxy-indane (47)** and ***trans*-1-hydroxy-2-iodo-indane (48):** Indene **5** (232 mg, 2 mmol) was used to prepare the title compounds **47** (505 mg, 1.42 mmol, 71 %) and **48** (67.6 mg, 0.26 mmol, 13 %) *via* the general procedure. Purification was achieved by flash column chromatography (hexanes/ethyl acetate 5:1).
47: oil; IR (film): 760, 900, 1165, 1230, 1340, 1375, 1460, 1480, 1620, 1785, 3045 cm^{-1}; ^{1}H NMR δ 7.45 - 7.15 (m, 4H), 6.44 (d, *J* = 3.6 Hz, 1H), 4.51 (ddd, *J* = 3.6, 4.4, 6.6 Hz, 1H), 3.77 (dd, *J* = 6.6, 17.0 Hz, 1H), 3.30 (dd, *J* = 4.4, 17.0 Hz, 1H); ^{13}C-NMR δ: 157.6 (q), 142.5 (s), 138.1 (s), 130.7 (d), 127.9 (d), 126.2 (d), 125.1 (d), 114.8 (q), 89.6 (d), 43.4 (t), 21.8 (d); ^{19}F-NMR δ: -75.1.
48: oil; ^{1}H NMR δ 7.43 - 7.24 (m, 4H), 5.48 (d, *J* = 3.6 Hz, 1H), 4.20 (ddd, *J* = 3.6, 4.4, 6.6 Hz, 1H), 3.59 (dd, *J* = 6.6, 17.0 Hz, 1H), 3.31 (dd, *J* = 4.4, 17.0 Hz, 1H); ^{13}C-NMR δ: 142.1 (s), 141.0 (s), 128.8 (d), 127.5 (d), 124.3 (d), 123.8 (d), 85.1 (d), 42.3 (t), 30.1 (d).

1-(2-Iodo-1-trifluoroacetoxy-ethyl)-benzene (49) and **1-(1-hydroxy-2-iodo-ethyl)-benzene (50):** Styrene **45** (208 mg, 2 mmol) was used to prepare the title compounds **49** (488 mg, 1.42 mmol, 71 %) and **50** (64.4 mg, 0.26 mmol, 13 %) *via* the general procedure. Purification was achieved by flash column chromatography (hexanes/ethyl acetate 5:1).
49: oil; IR (film): 700, 760, 945, 1160, 1230, 1370, 1780, 3050 cm^{-1}; ^{1}H NMR δ 7.46-7.33 (m, 5H), 6.02 (m, 1H), 3.60-3.35 (m, 2H); ^{13}C-NMR δ: 156.0 (q), 136.1 (s), 129.7 (d), 129.8 (d), 126.4 (d), 114.4 (q), 79.6 (d), 4.8 (t); ^{19}F-NMR δ: -75.3.
50: oil; ^{1}H NMR δ 7.40 - 7.28 (m, 5H), 4.78 (m, 1H), 3.50-3.28 (m, 2H), 2.57 (br, 1H,); ^{13}C-NMR δ: 141.9 (s), 128.6, 128.5, 125.5 (d), 74.2 (d), 15.2 (t).

References (for supplementary information)

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