Electronic Supplementary Information for

"Facile conversion of plant oil (anethole) to a high-performance material"

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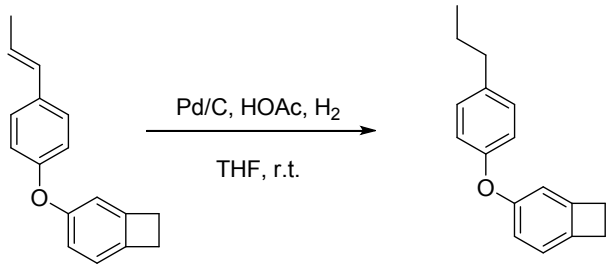
1. Synthesis of M1



A mixture of M-BCB (2.00 g, 8.46 mmol), Pd/C (10 %) (1.80 g, 1.69 mmol), HOAc (1.02 g, 16.93 mmol), THF (10 ml) were added to a 25 ml flask equipped with a magnetic stirrer, then the mixture was kept at room temperature for 24 h under H_2 atmosphere. M1 was obtained as a colorless liquid with a yield of 96 % by column chromatograph using petroleum ether as the eluent. ^{1}H NMR (400 MHz, $CDCl_3$): δ = 7.13 – 7.07 (m, 2H), 6.98 (d, *J* = 7.9 Hz, 1H), 6.92 – 6.86 (m, 2H), 6.87 – 6.81 (m, 1H), 6.74 (t, *J* = 5.6 Hz, 1H), 3.13 (d, *J* = 3.8 Hz, 4H), 2.57 – 2.52 (m, 2H), 1.67 – 1.57 (m, 2H), 0.94 (t, *J* = 7.4 Hz, 3H). ^{13}C NMR (101 MHz, $CDCl_3$): δ = 156.9, 156.1, 146.8, 140.3, 137.2, 129.6 (2C), 123.9, 118.4 (3C), 114.3, 37.4, 29.2, 29.0, 24.9, 13.9. HRMS-EI(m/z): Calcd. $C_{17}H_{18}O$ $[M]^+$ 238.1358; Found 238.1364. Anal. Calcd. $C_{17}H_{18}O$: C, 85.67; H, 7.61; Found: C, 85.58; H, 7.53.

2. Complementary data

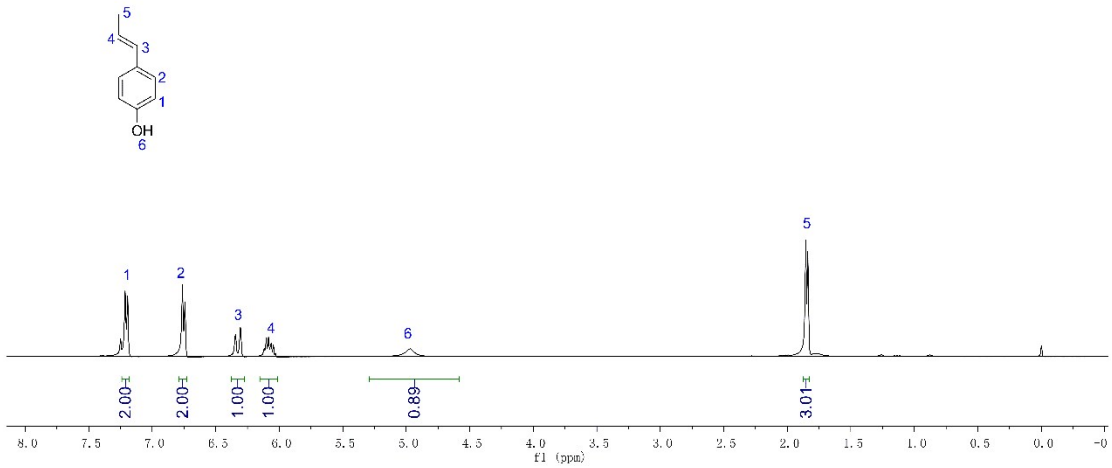


Fig. S1 ^{1}H NMR of **B** (400 MHz, $CDCl_3$)

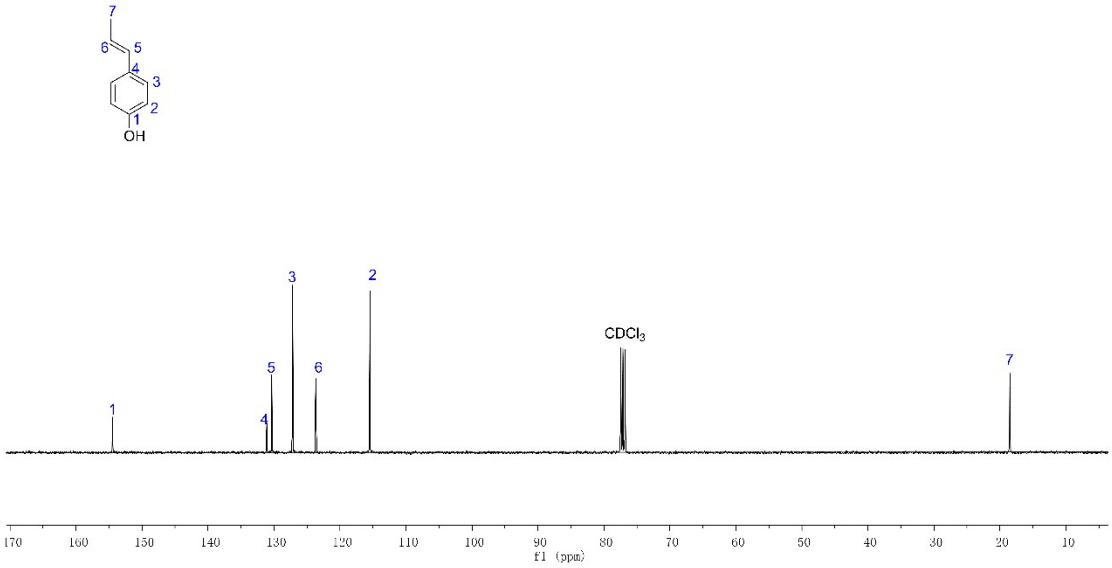


Fig. S2 ^{13}C NMR spectrum of **B** (400 MHz, $CDCl_3$)

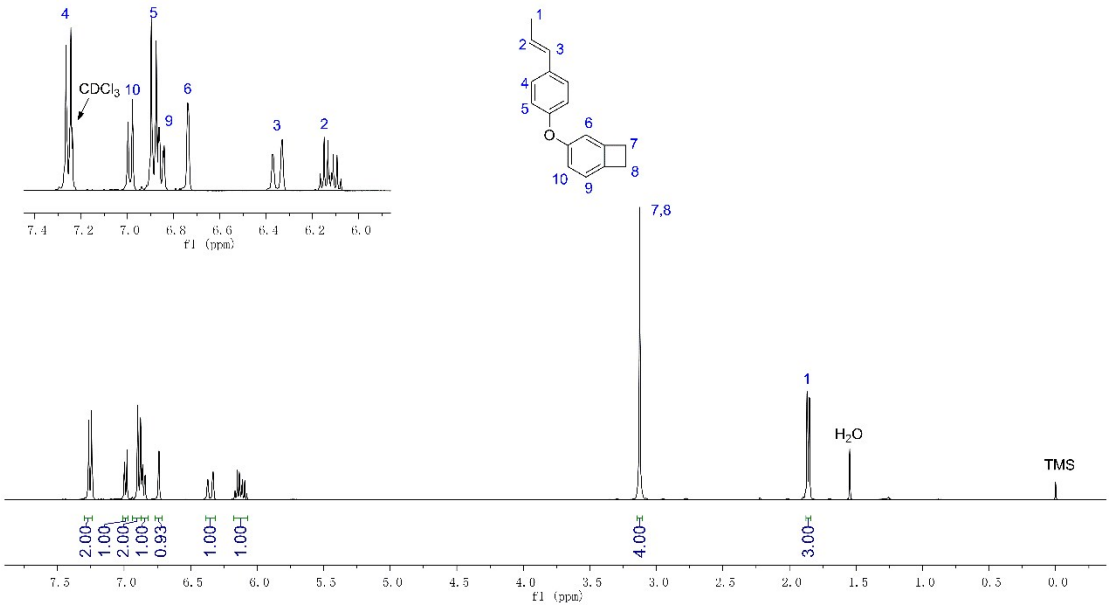


Fig. S3 ^{1}H NMR of **M-BCB** (400 MHz, $CDCl_3$)

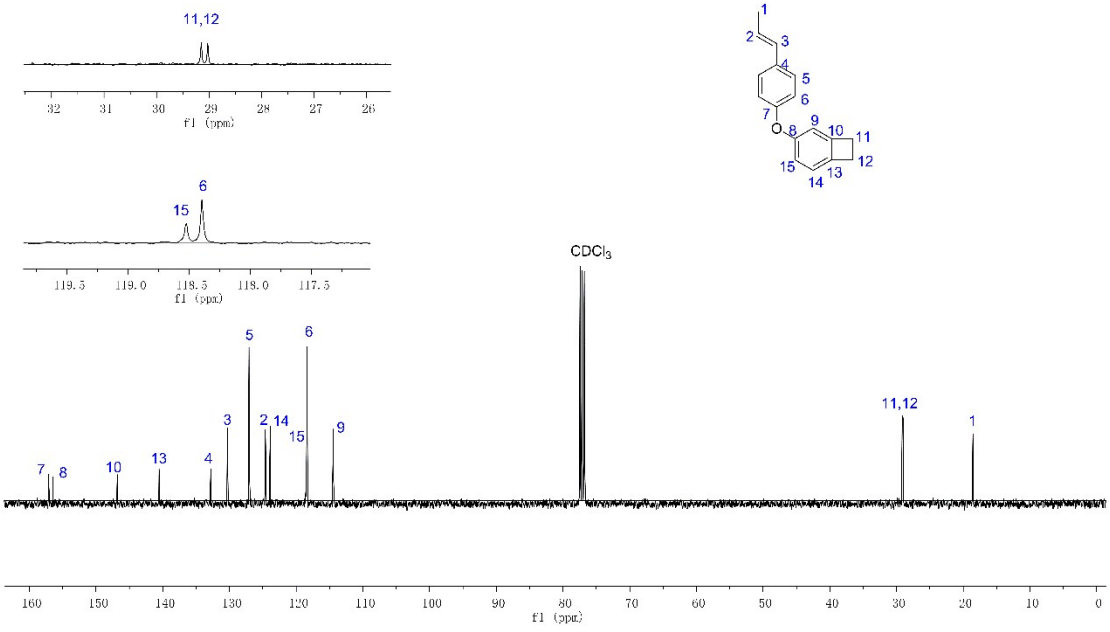


Fig. S4 ^{13}C NMR spectrum of **M-BCB** (400 MHz, $CDCl_3$)

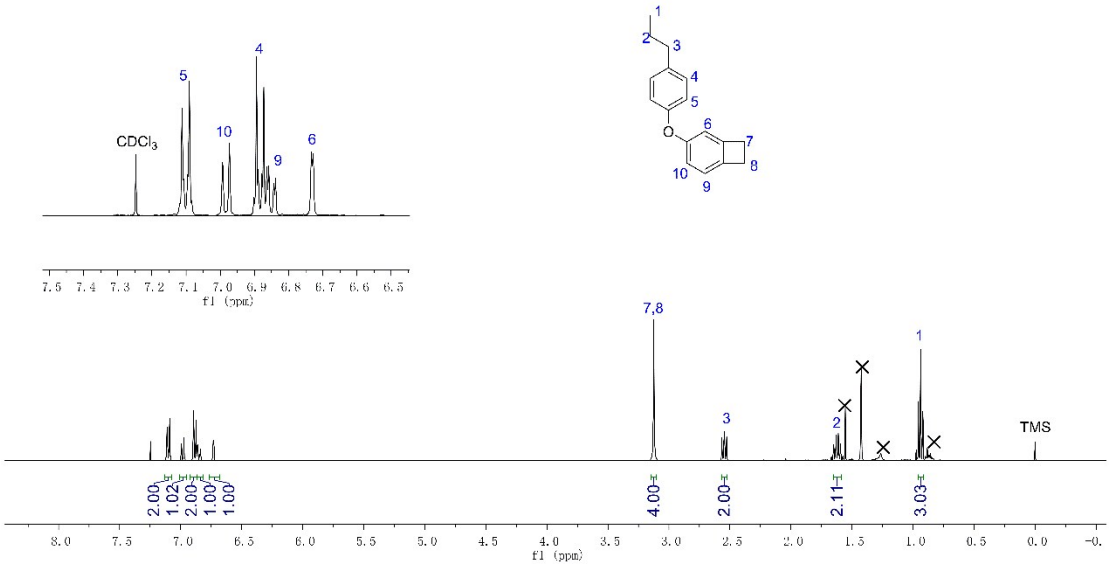


Fig. S5 ^{1}H NMR spectrum of **M1** (400 MHz, $CDCl_3$)

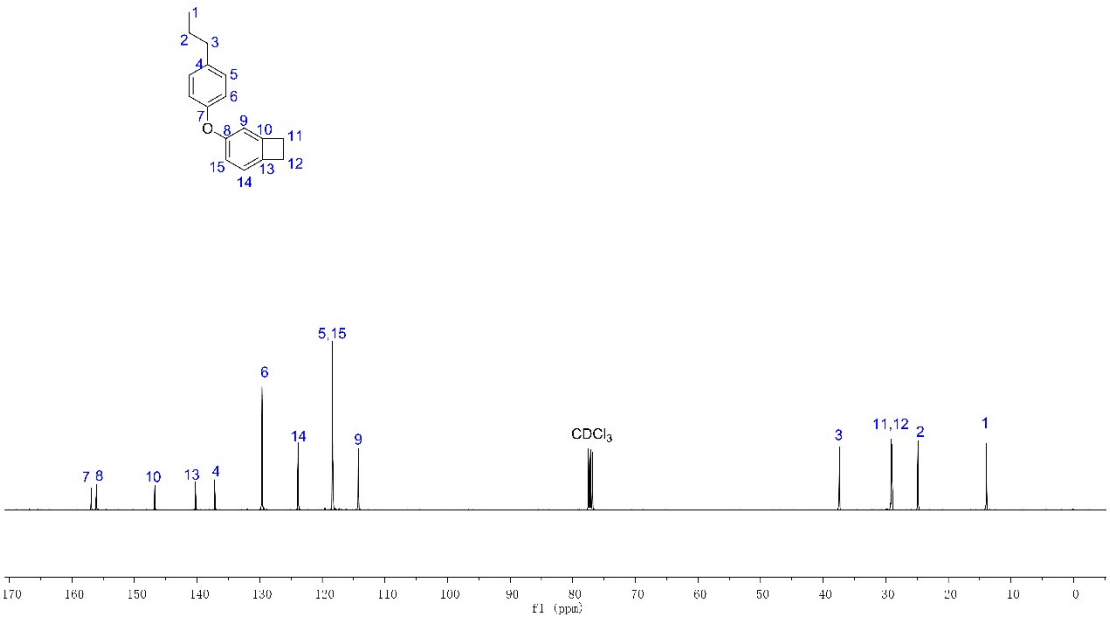


Fig. S6 ^{13}C NMR spectrum of **M1** (400 MHz, $CDCl_3$)

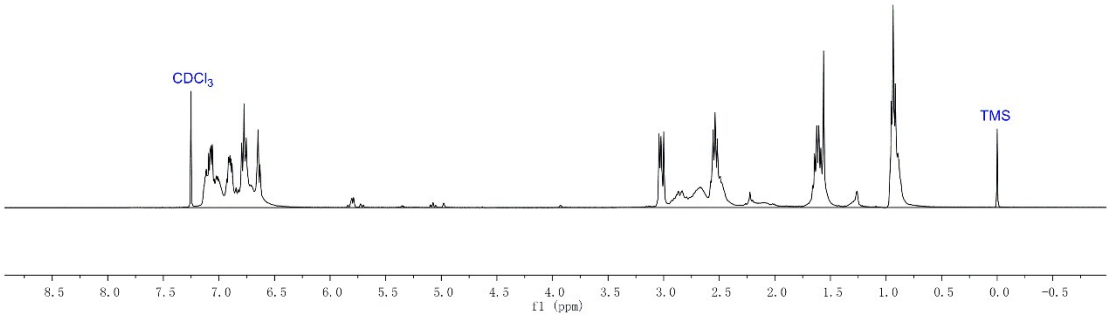


Fig. S7 ^{1}H NMR spectrum of **PM1** (400 MHz, $CDCl_3$)

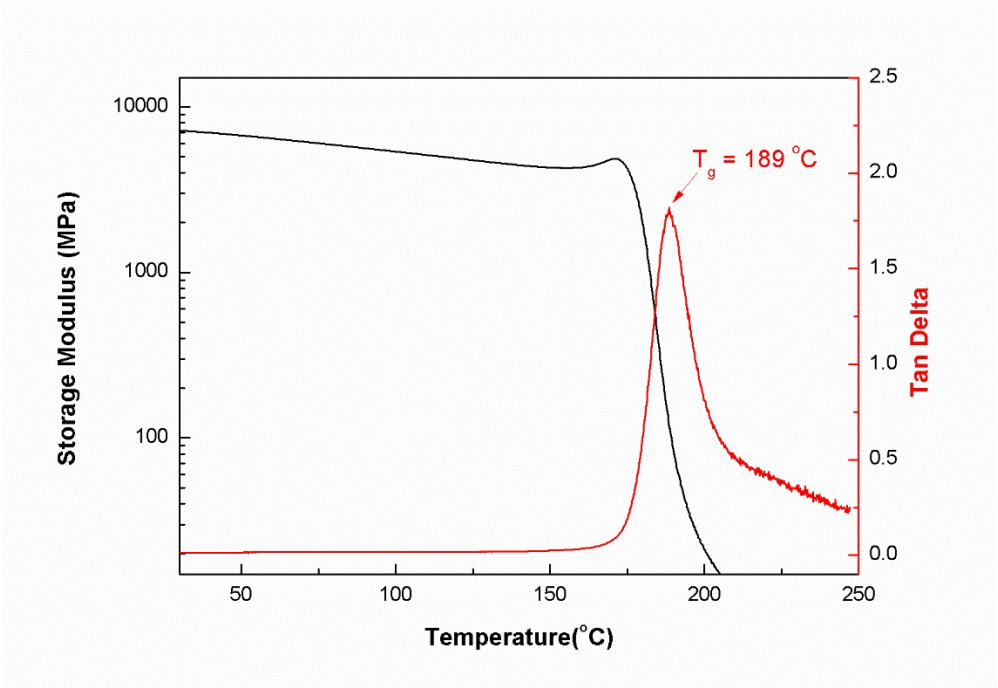


Fig. S8 DMA curves of **PM-BCB**

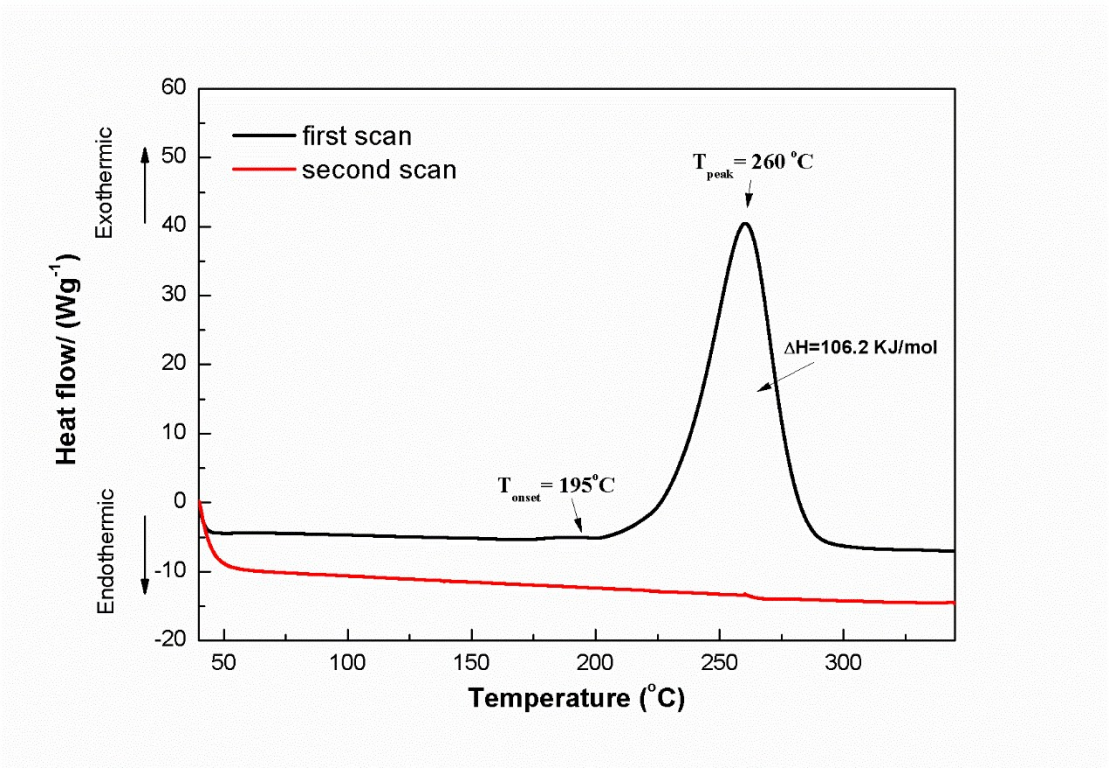


Fig. S9 DSC curves of **M-BCB** at a heating rate of 10 °C/min^{-1}

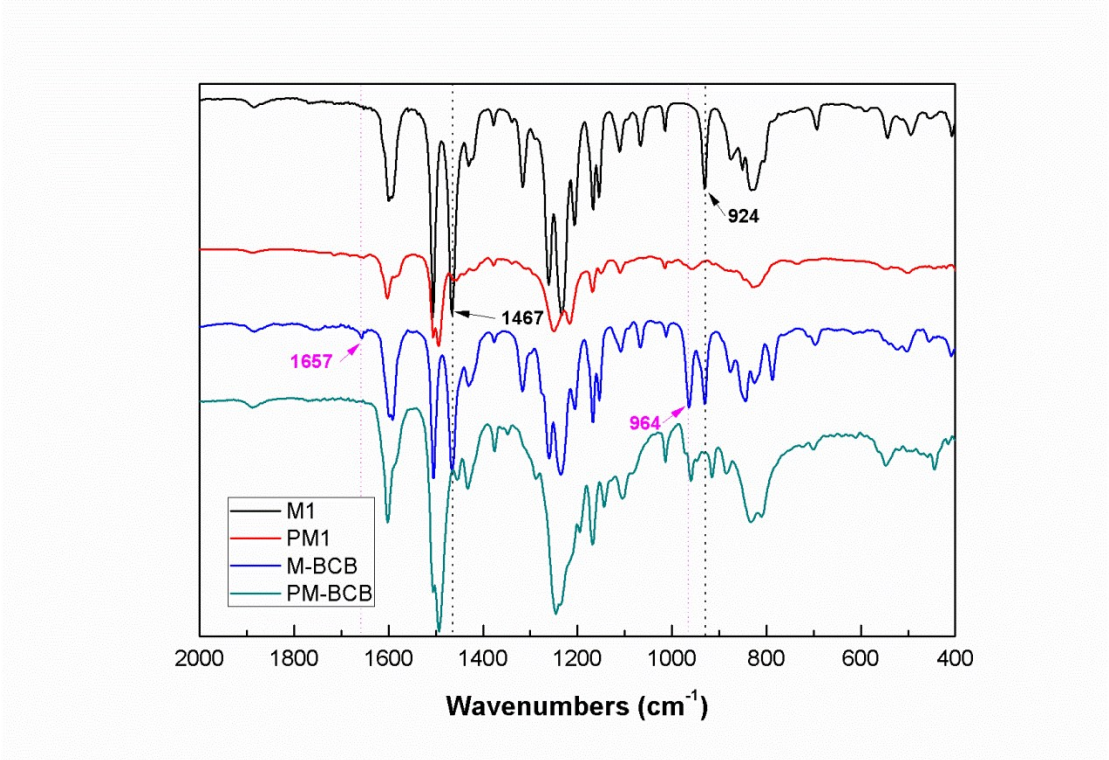


Fig. S10 Comparison of FT-IR spectra of **M1**, **PM1**, **M-BCB** and **PM-BCB**

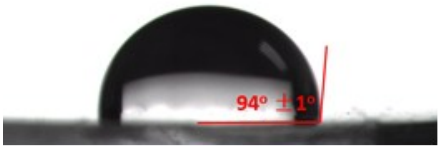


Fig. S11 Water contact angle of **PM-BCB** sample