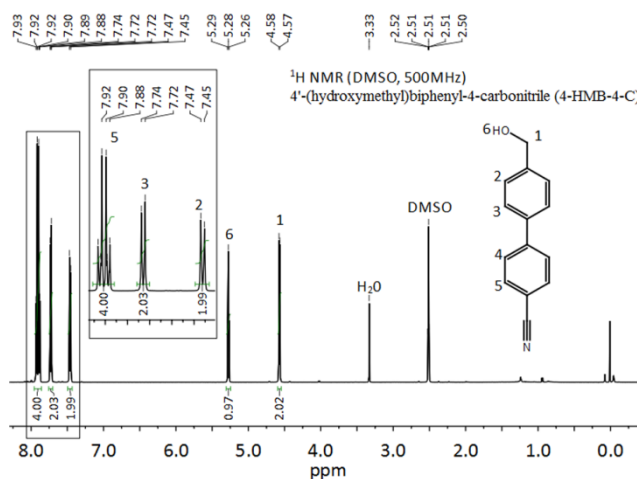
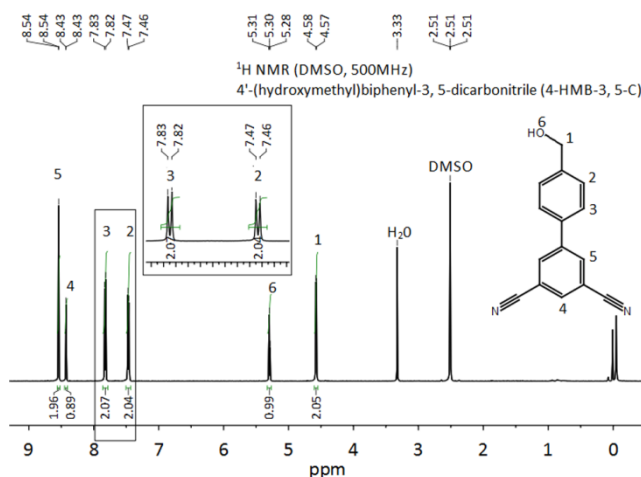


Supporting information



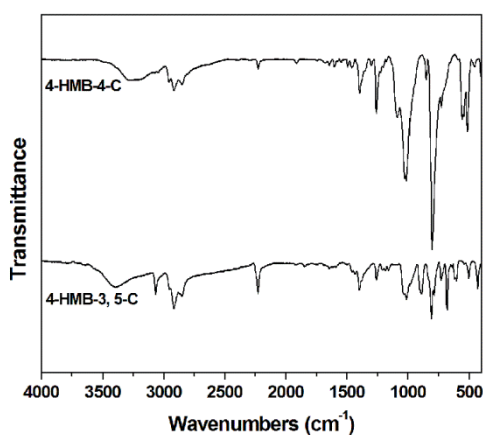
The ¹H NMR spectrum and structure of 4-HMB-4-C.

The 4-HMB-4-C characterization: ¹H NMR (DMSO, 500 MHz): δ 7.91 (td, $J = 8.6$, 6.5 Hz, 4H), 7.76 – 7.70 (m, 2H), 7.46 (d, $J = 8.3$ Hz, 2H), 5.28 (t, $J = 5.7$ Hz, 1H), 4.57 (d, $J = 5.7$ Hz, 2H).



The ¹H NMR spectrum and structure of 4-HMB-3,5-C.

The 4-HMB-3, 5-C characterization: ^1H NMR (DMSO, 500 MHz): δ 8.54 (d, $J = 1.4$ Hz, 2H), 8.43 (d, $J = 1.3$ Hz, 1H), 7.82 (d, $J = 8.2$ Hz, 2H), 7.47 (d, $J = 8.3$ Hz, 2H), 5.30 (t, $J = 5.7$ Hz, 1H), 4.58 (d, $J = 5.7$ Hz, 2H).



The FT-IR spectra of 4-HMB-4-C and 4-HMB-3, 5-C.

FT-IR (KBr, cm^{-1}) of 4-HMB-4-C: 3440-3082 (s, -OH), 2916, 2850 (w, - CH_2 -), 2229 (m, -CN), 1396, 1257, 1091, 1014 (m, benzene). FT-IR (KBr, cm^{-1}) of 4-HMB-3, 5-C: 3533-3224 (s, -OH), 2920, 2850 (w, - CH_2 -), 2229 (m, -CN), 1400, 1257, 1037, 1014 (m, benzene).