

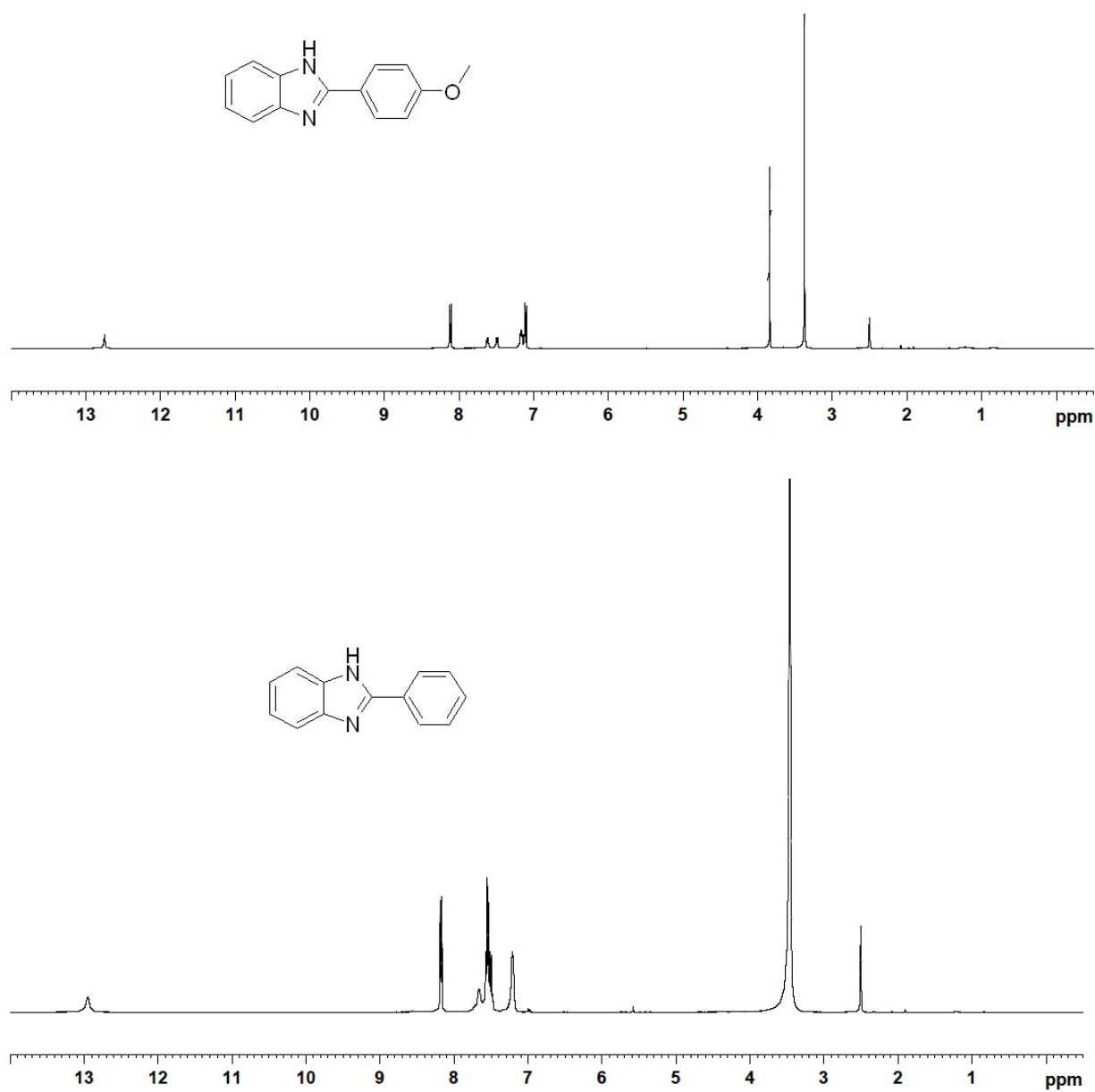


Fig. S1: ^1H NMR spectra

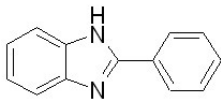
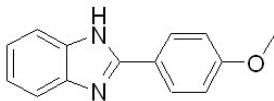


Fig. S1: ^{13}C NMR spectra

NMR data

(a) 2-Phenyl-1*H*-benzimidazole (BZ-2): ^1H NMR (300 MHz, DMSO): δ (ppm) = 12.95 (s, 1 NH), 8.17 (d, 2 H), 7.70–7.45 (m, 5H), 7.20 (d, 2H)

^{13}C NMR: δ (ppm) = 151.31, 143.83, 135.05, 130.17, 129.98, 129.07, 126.51, 122.65, 121.81, 118.92, 111.45

(b) 2-(4-Methoxyphenyl)-1*H*-benzimidazole (BZ-1): ^1H NMR (300 MHz, DMSO): δ (ppm) = 12.75 (s, 1 NH), 8.12 (dd, 2H), 7.62 (d, 1H), 7.49 (d, 1H), 7.20–7.13 (m, 2H), 7.11 (d, 2H), 3.84 (s, 3H –OCH₃)

^{13}C NMR: δ (ppm) = 151.37, 143.89, 134.98, 128.02, 122.69, 122.09, 121.48, 118.50, 114.38, 111.06, 55.34, 14.10