Supporting Information

Solvothermal one-pot synthesis of a new family of chiral $[Fe_4O_4]$-cubane clusters with redox active cores.

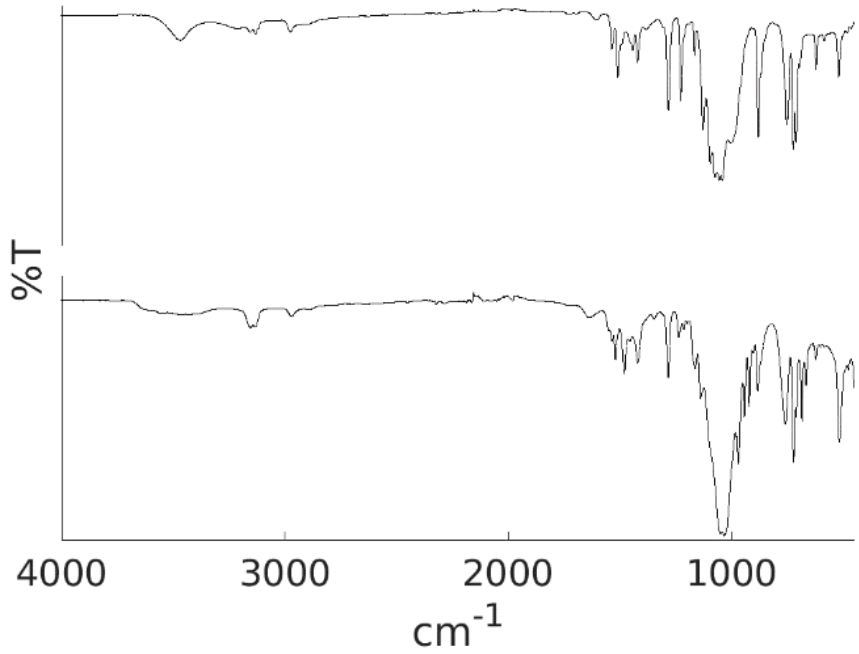

Figure S1: Mid-range infrared spectrum of **2** (top) and **4** (bottom)

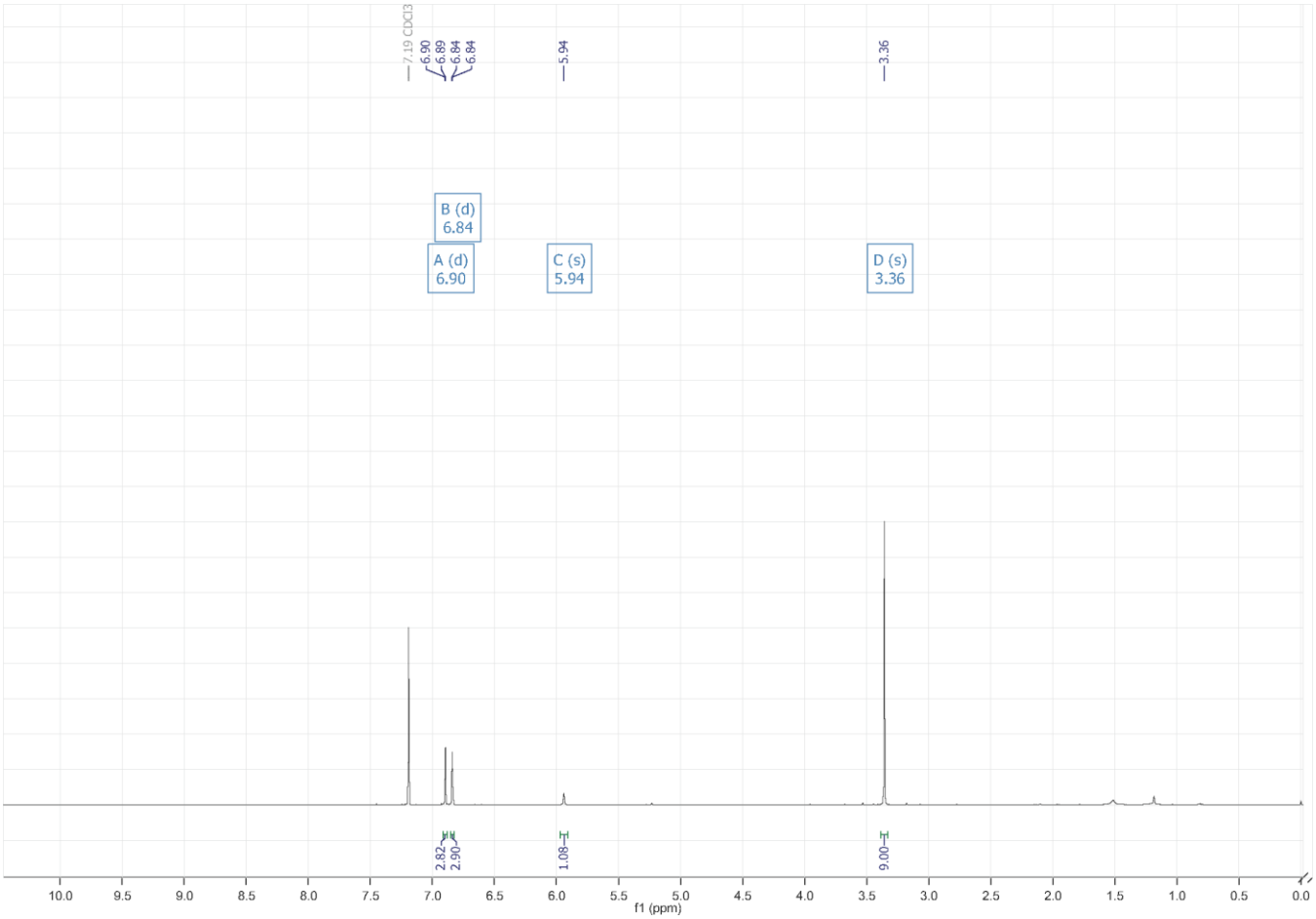

Figure S2: ^{1}H NMR (400 MHz, $CDCl_3$) **,** tris(1-methyl-1H-imidazol-2-yl)methanol ((mim)3COH)

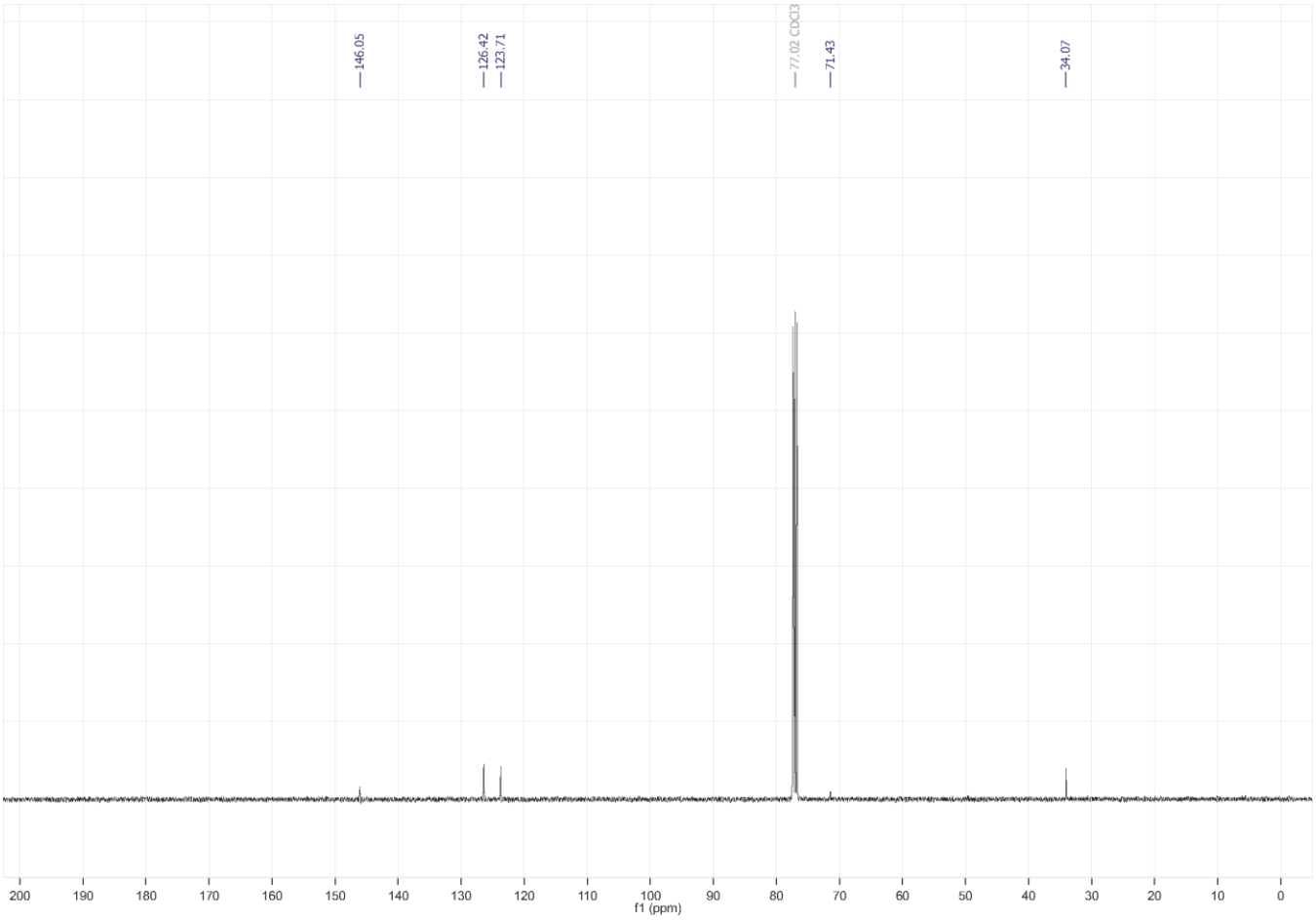

Figure S3: ^{13}C NMR (101 MHz, CDCl3), tris(1-methyl-1H-imidazol-2-yl)methanol ((mim)3COH)

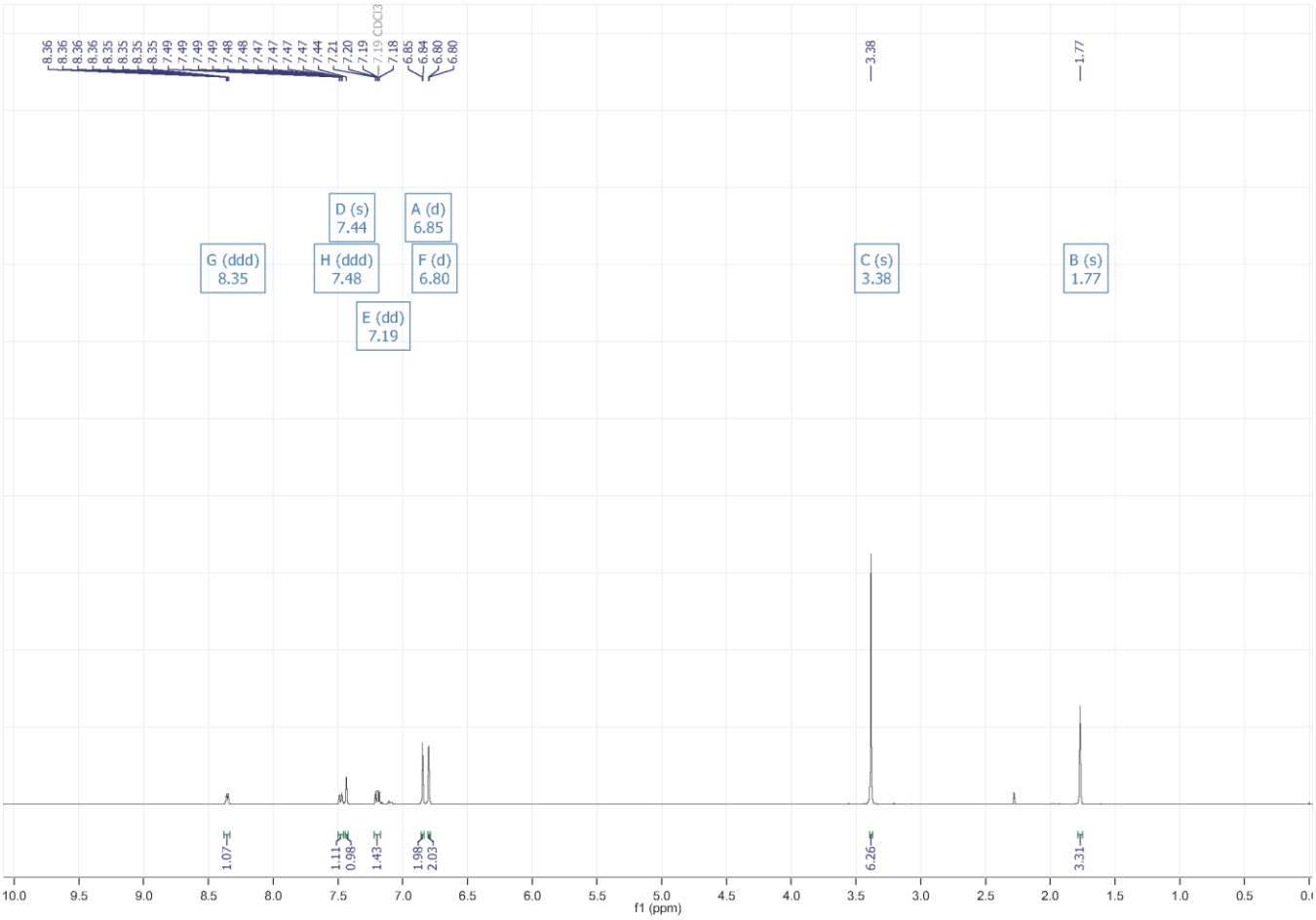

Figure S4: ^{1}H NMR (400 MHz, $CDCl_3$) **,** bis(1-methyl-*1H*-imidazol-*2*-yl)(3-methylpyridin-*2*-yl)methanol

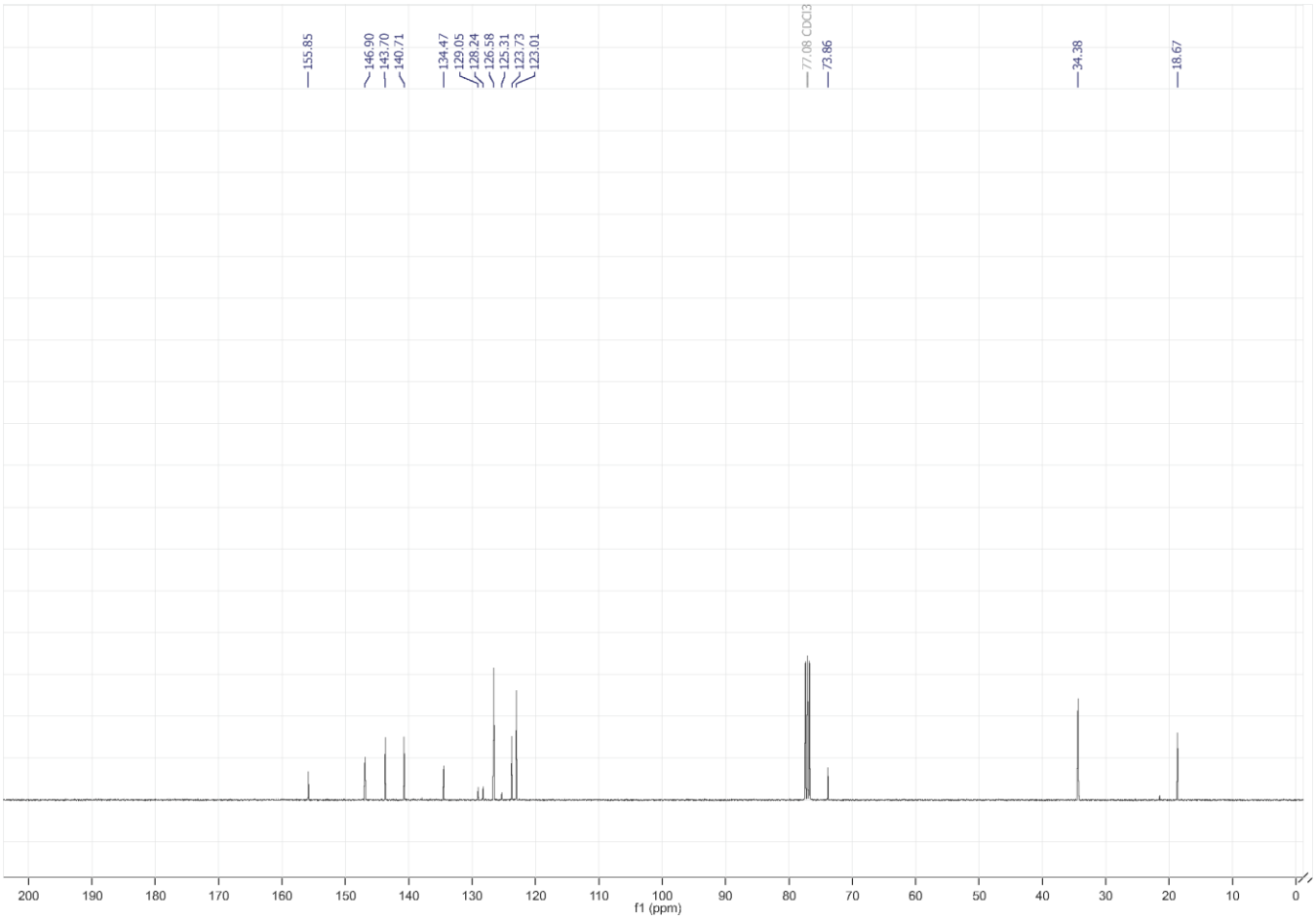

Figure S5: ^{13}C NMR (101 MHz, CDCl3), bis(1-methyl-*1H*-imidazol-*2*-yl)(3-methylpyridin-*2*-yl)methanol