

Supplementary Information

Mono- and bidentate imidates of five-coordinate nickel(II) with macrocyclic ligands: spectroscopic and photophysical properties

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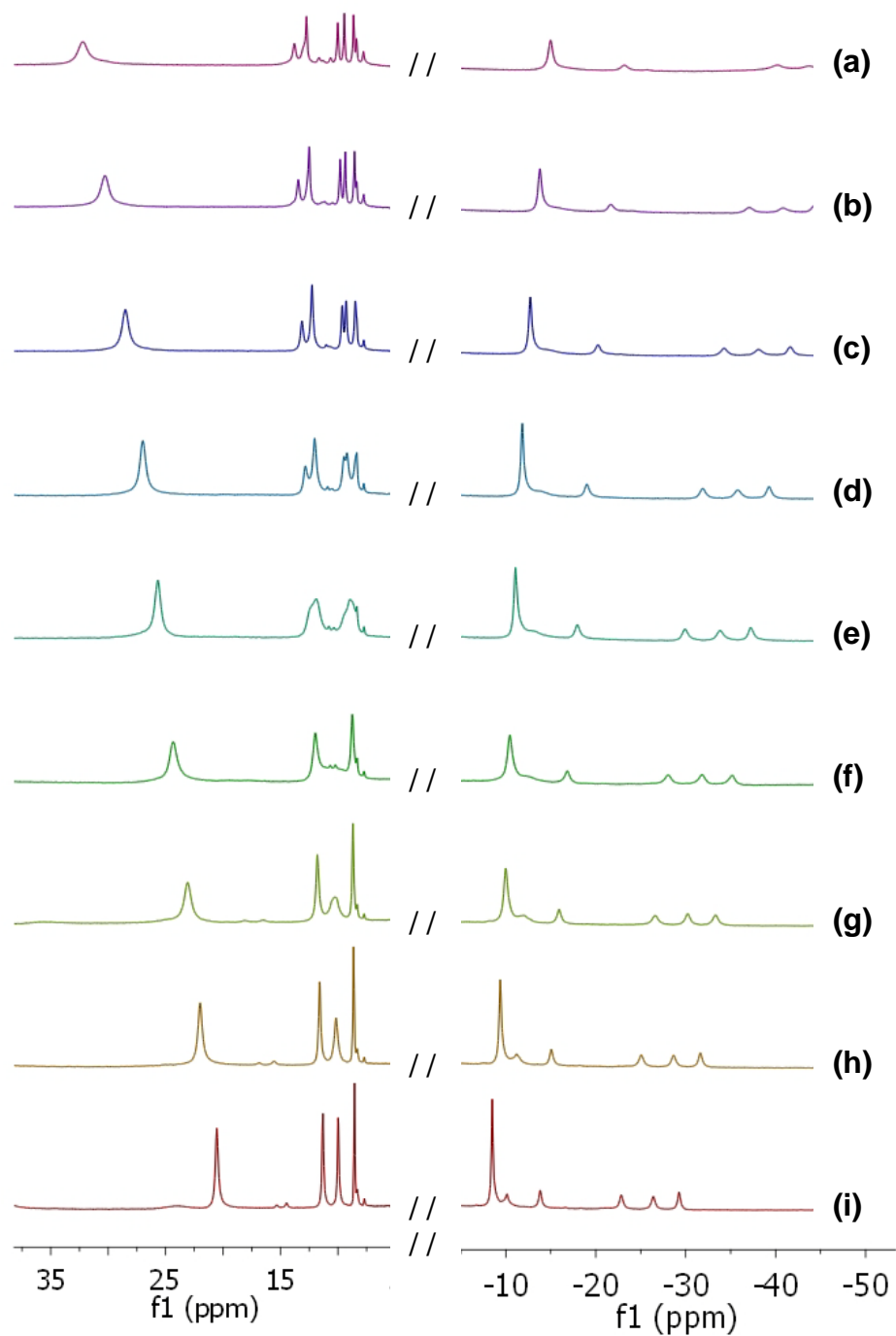


Figure S1. ^1H NMR spectra of **4b** at different temperatures: (a) 213 K, (b) 223, (c) 233, (d) 243, (e) 253, (f) 263, (g) 273, (h) 283, (i) 298. Only the region relevant to the assignment of imidate resonances is shown.

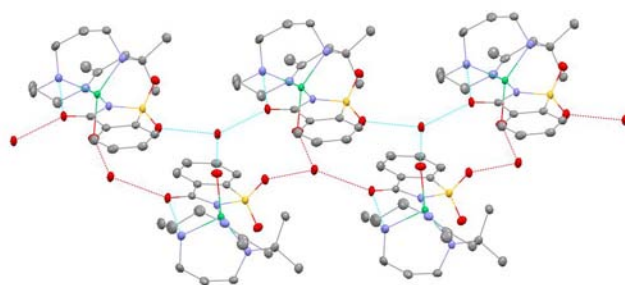


Figure S2. Schematic drawing of structure of compound **3a** showing the inter chains hydrogen bonds (dashed line) to yield a 2D-network. Carbon, gray; nitrogen, blue; oxygen, red; nickel, green, sulphur, yellow; hydrogen bonds, red.

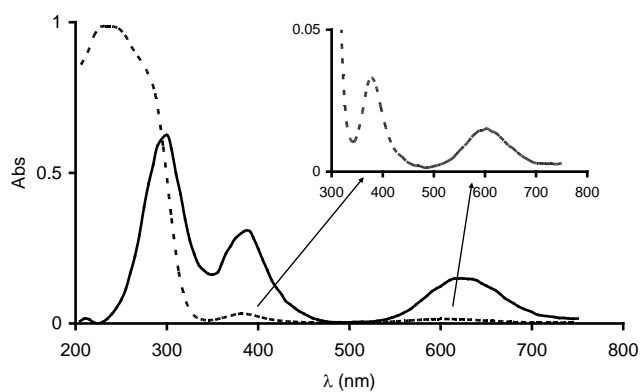


Figure S3. UV-visible absorption spectra for complex **3b** in 10^{-4} mol dm $^{-3}$ acetonitrile solution (dotted line) and diffuse-reflectance ultraviolet spectra (DRUV, solid line).