

Synthesis of the neutral metal-organic network solid [(MeImNi)(BDC)] (where MeIm = methylimidazole and BDC = 1, 4-benzenedicarboxylate) in the ionic liquid solvent 1-methyl-3-propylimidazolium bromide

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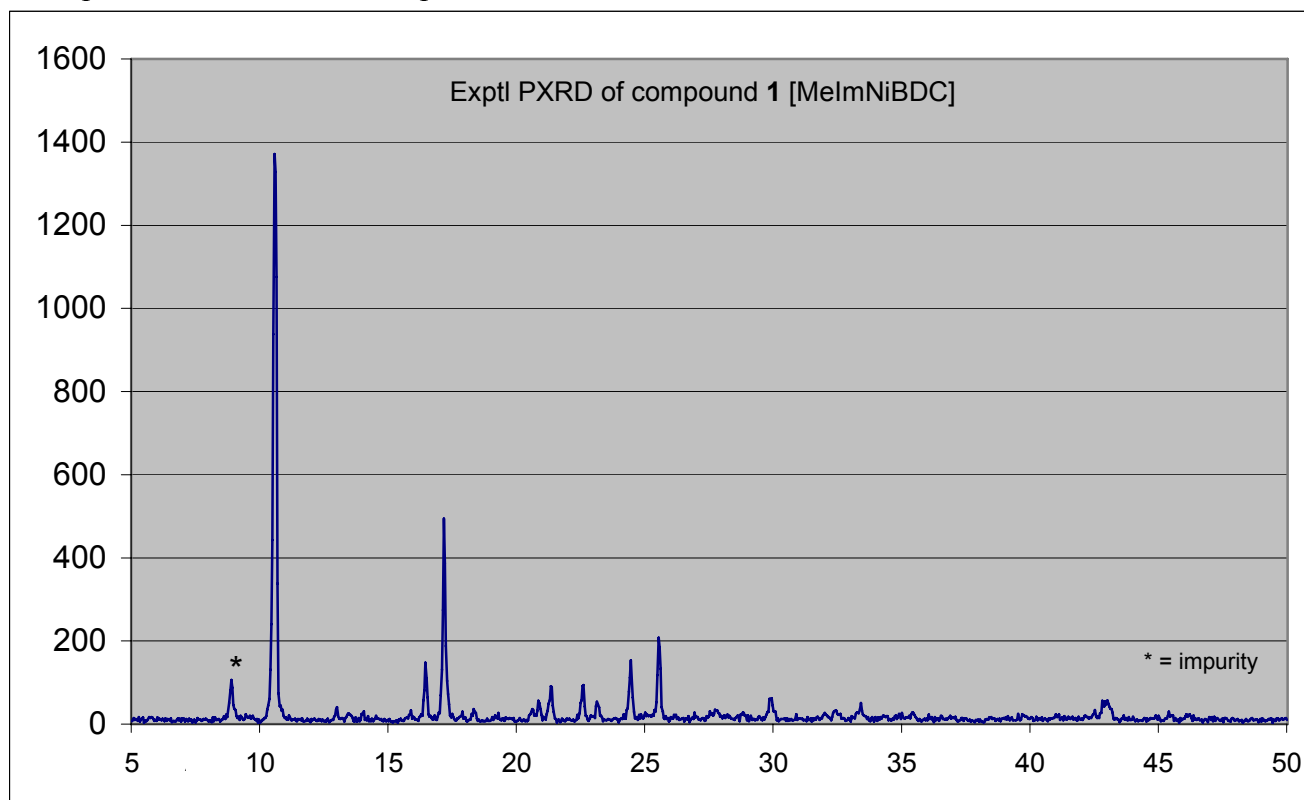
Supplementary Information

Experimental

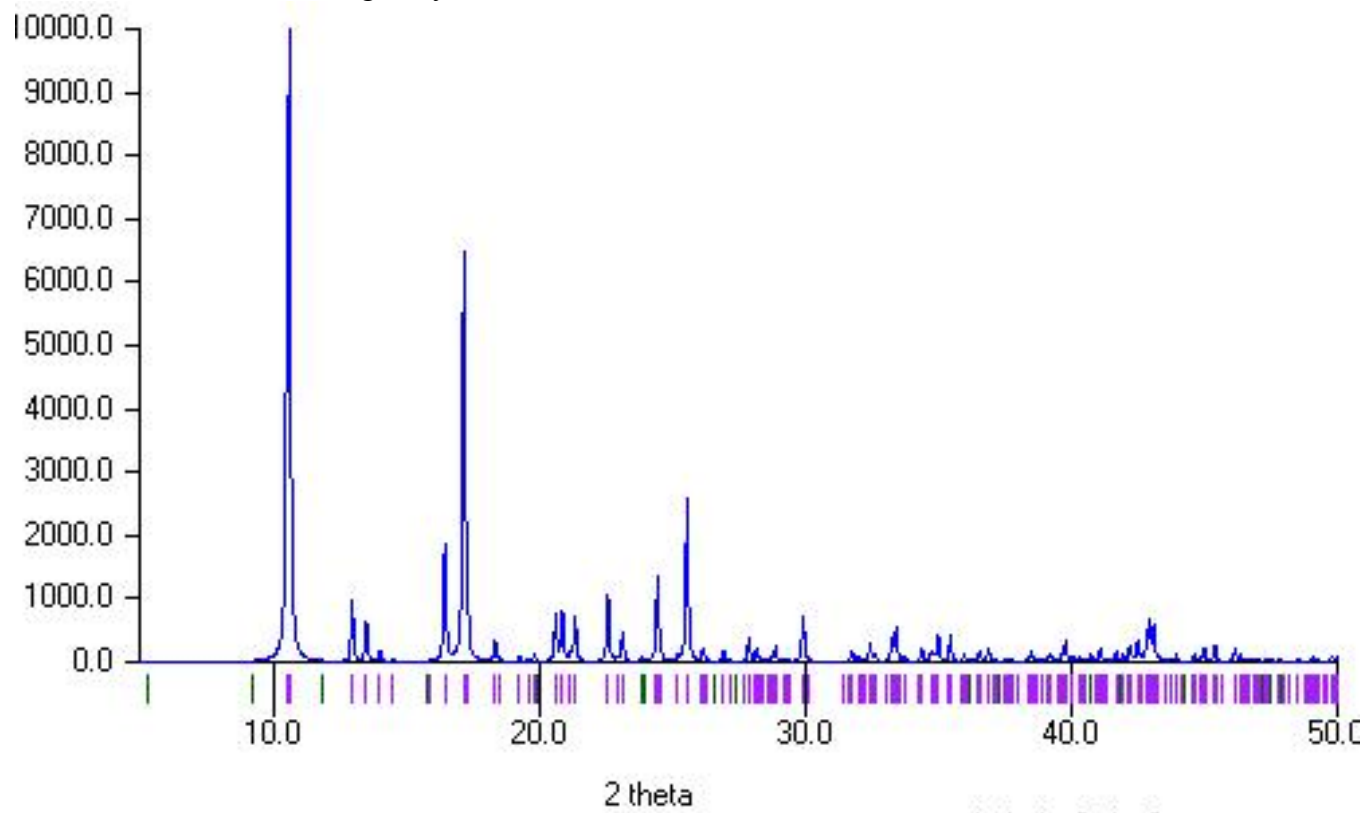
General procedures: All chemical reagents and solvents were used as received from Aldrich Chemical Co. 1-methyl-3-propylimidazolium bromide was prepared according to a literature procedure.¹ Infrared (IR) spectra were recorded on a Paragon 1000 FTIR spectrometer. Thermal gravimetric analysis (TGA) was obtained using a Mettler TG50 Thermogravimetric Analyser heating from 25 to 600 °C at 5 °C / min in air and N₂. X-ray powder diffraction (XRPD) data were collected on a Brucker D8 Advance operated in reflection mode with a graphite monochromator and a position sensitive detector using Cu K α 1 radiation ($\lambda = 1.5406 \text{ \AA}$). Elemental analyses were performed at the University of North London.

1. V. P. W. Bohm and W. A. Herrmann, *Chemistry-A European Journal*, 2000, **6**, 1017.

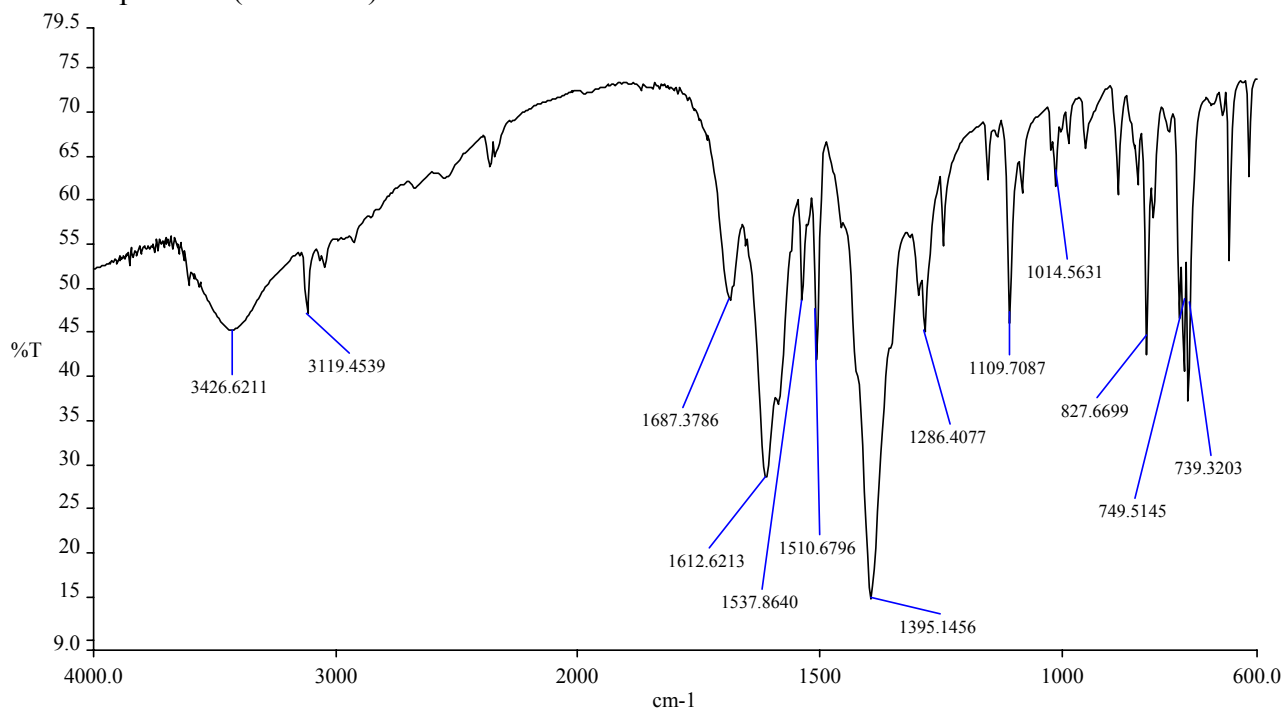
Experimental PXRD of bulk powder



Calculated PXRD from single crystal data.



IR of Compound **1** (KBR disc)



TGA of Compound **1** (in N_2)

