

Supporting Information

Capturing *In Situ* Generated NH=CH-N=NH Molecule *via* the Templating Synthesis of a 4-Connected Open Cd(II) Framework

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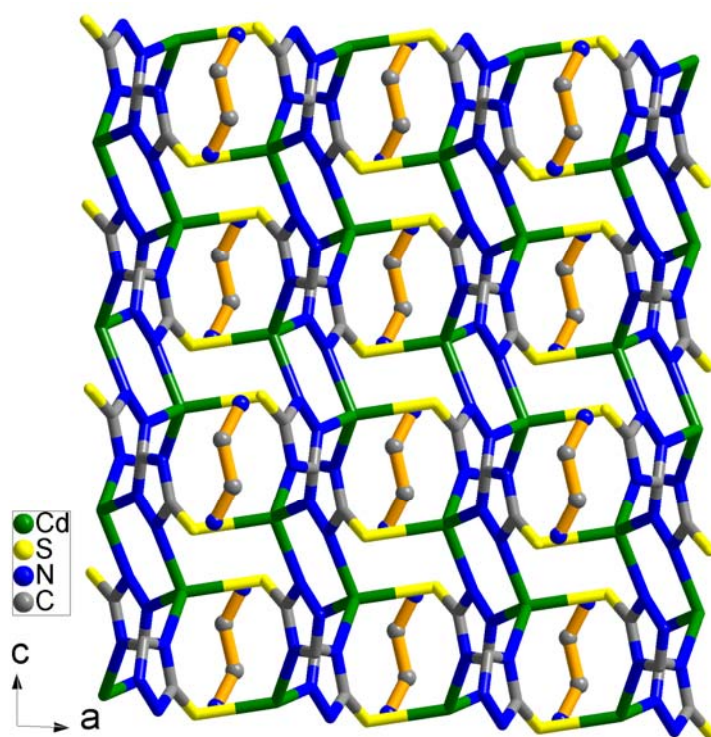


Figure S1 The 3D network of compound 1 along b axis.

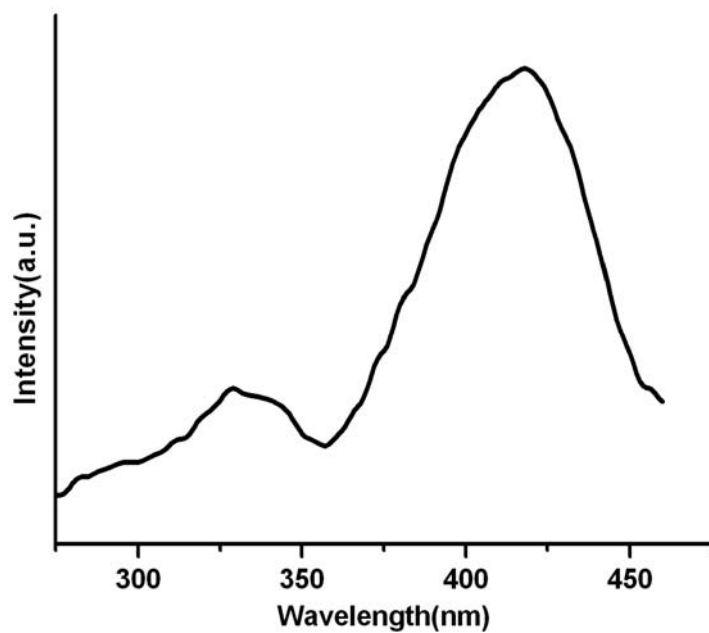


Figure S2 The solid-state excitation spectrum at room temperature.

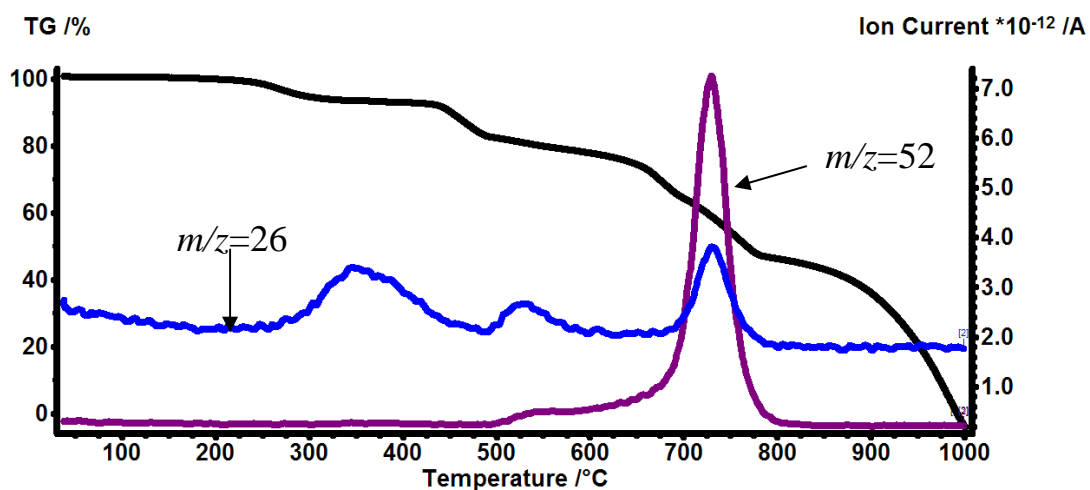


Figure S3 TGA coupled with QMS analysis for 1 with ions current singles respectively for $m/z=26$ and $m/z=52$.

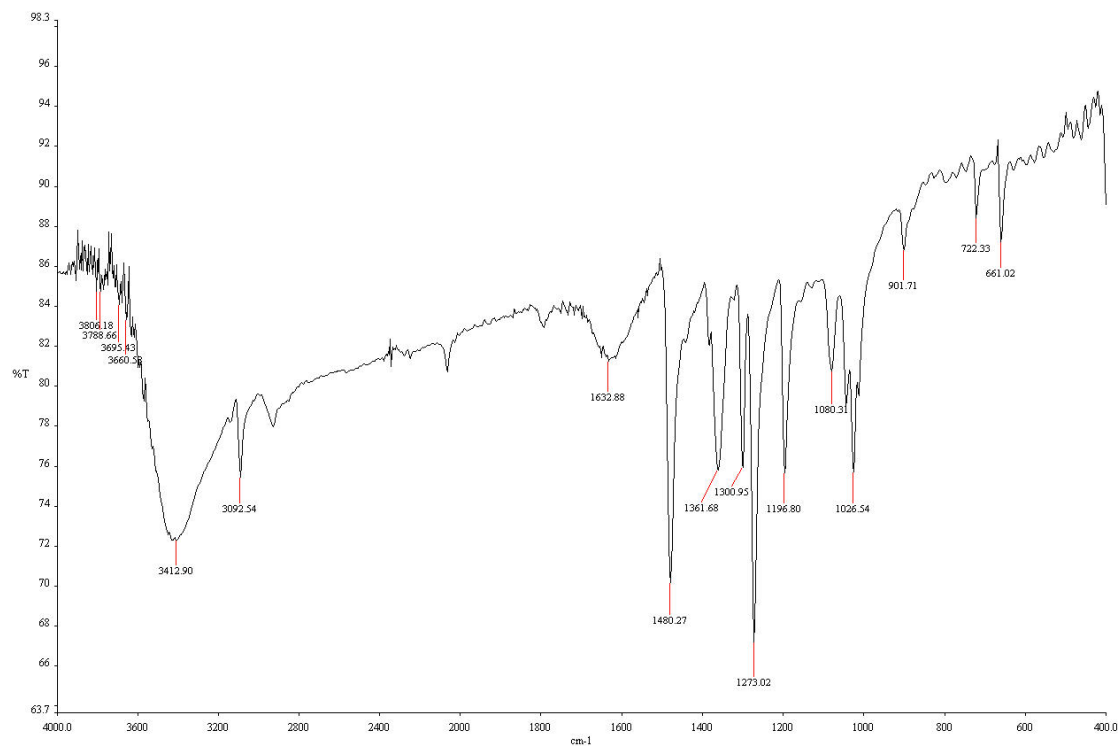


Figure S4 IR spectrum of 1

Table S1 Elemental analysis data of complex 1

Compound	C(%)	H(%)	N(%)	S(%)
	Found (Calc.)	Found (Calc.)	Found (Calc.)	Found (Calc.)
1	12.25(12.43)	0.98(1.04)	26.22(26.10)	13.16(13.24)