## **Supporting Information**

Crystal structure and photoluminescent properties of *catena*-poly[[bis(1-benzyl-1*H*-imidazole- $\kappa N^3$ )cadmium(II)]-di- $\mu$ -azido- $\kappa^2 N^1$ : $N^3$ ]

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## Figure S1

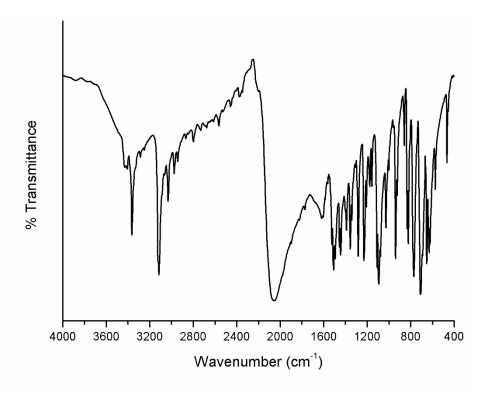
FT-IR spectrum of the title compound

## Figure S2

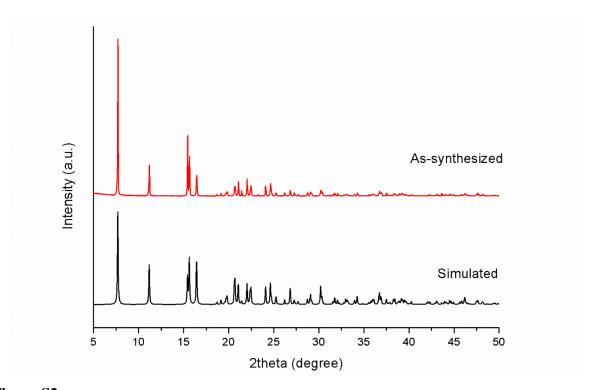
PXRD patterns of the title compound

## Figure S3

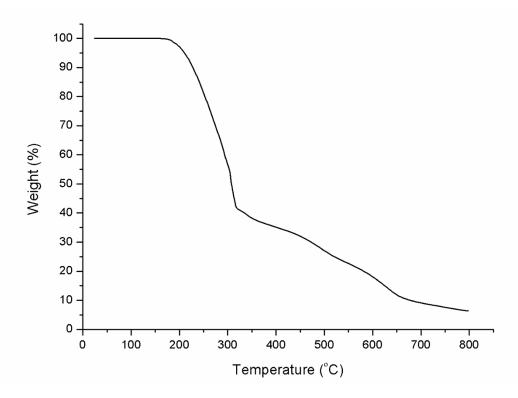
TGA curve of the title compound



**Figure S1**FT-IR spectrum of the title compound



**Figure S2**PXRD patterns of the title compound



**Figure S3**TGA curve of the title compound