Electronic Supporting Information

**New spectrophotometric protocol using tetra-thiosemicarbazone derivative chelating (TTSC) for the assessment of trace level of cadmium (II) in drinking water**

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1H NMR (DMSO, *d6*) of **2**



13C NMR (DMSO, *d6*) of **2**



 HRMS of **2**



FT-IR of **3**



1H NMR (DMSO, *d6*) of **3**



13C NMR (DMSO, *d6*) of **3**





HRMS of **3**