Electronic Supplementary Material (ESI) for Dalton Transactions.

Two blue-light excitable yellow-emitting LMOF phosphors constructed by triangular tri(4-pyridylpheny)amine

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Supporting Information

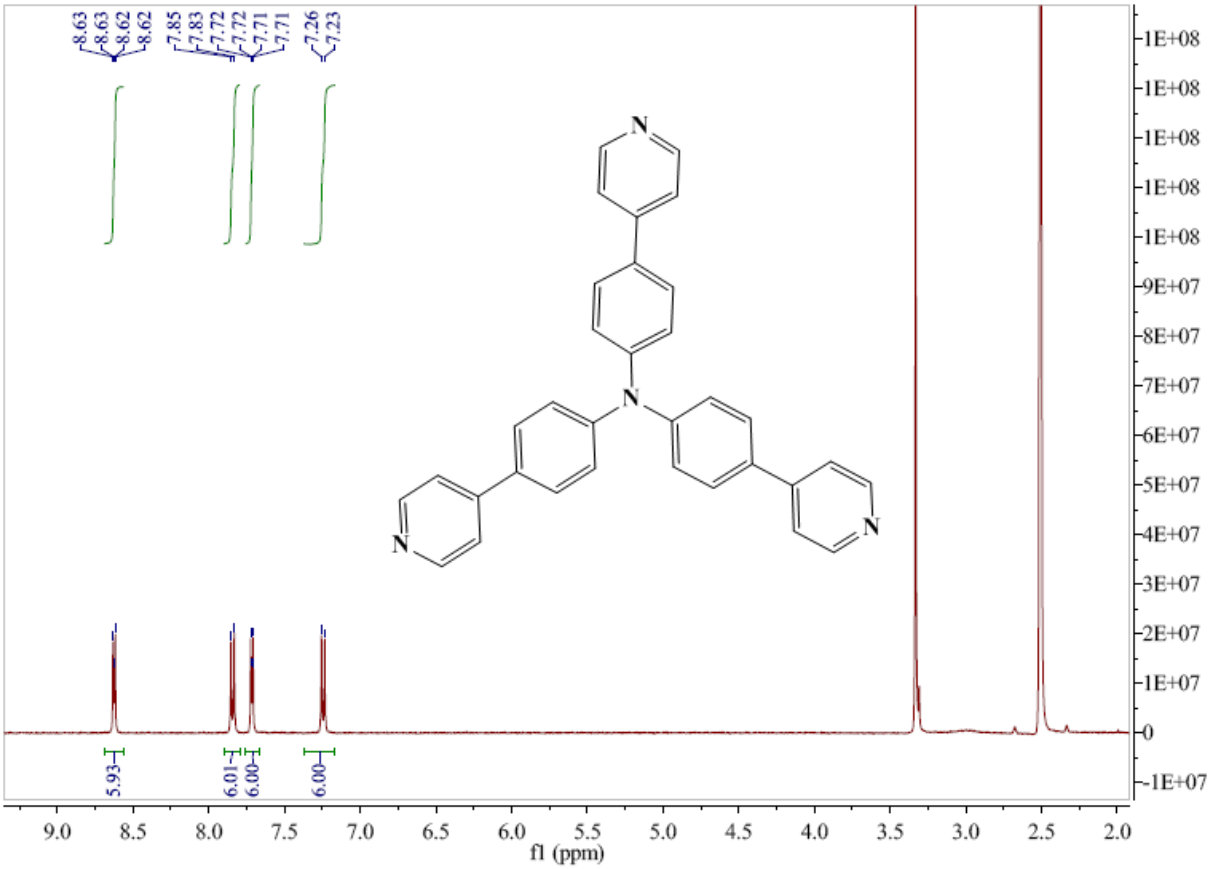

Fig. S1. ^{1}H NMR of tppa.

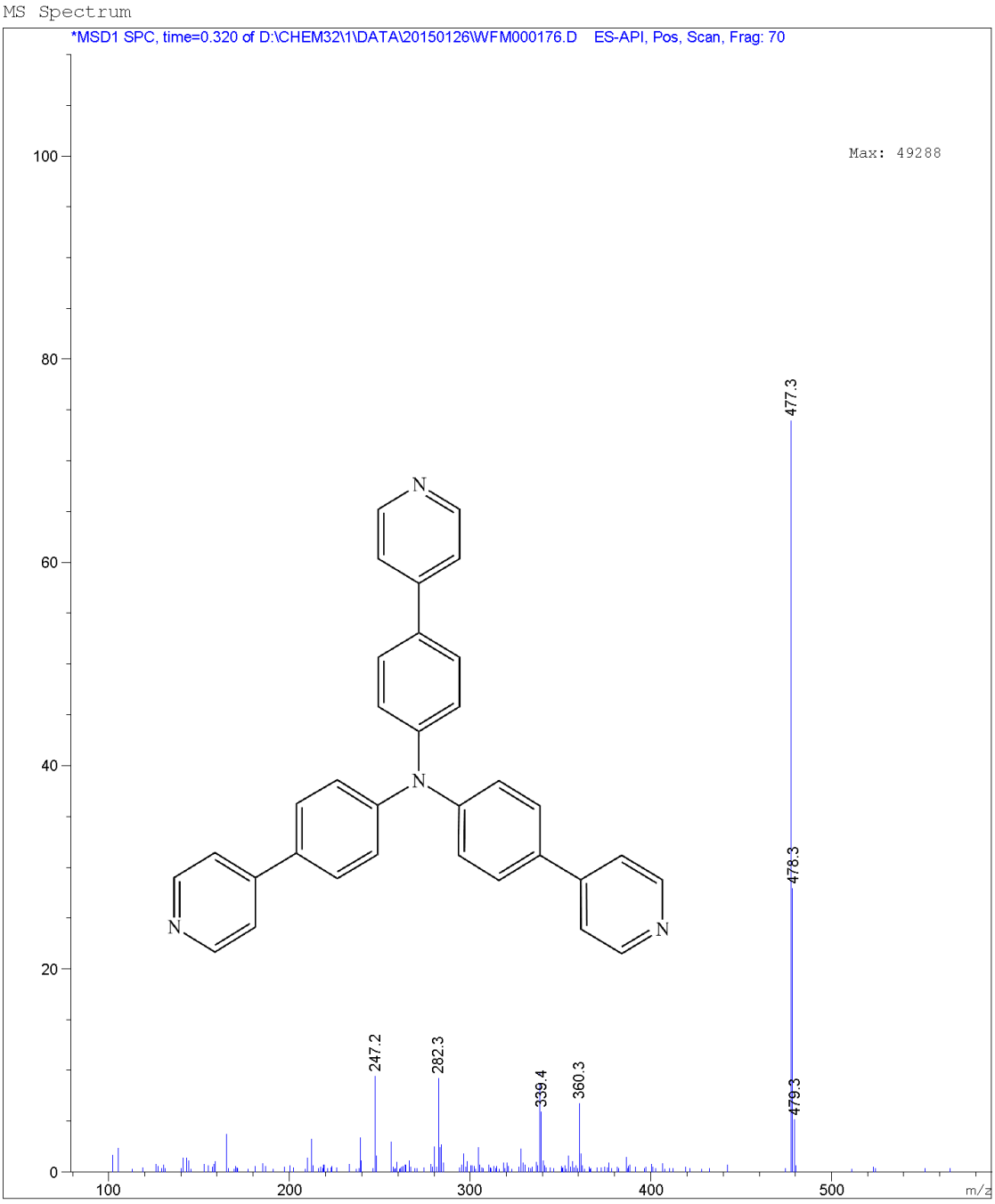

Fig. S2. ESI-MS of tppa**.**

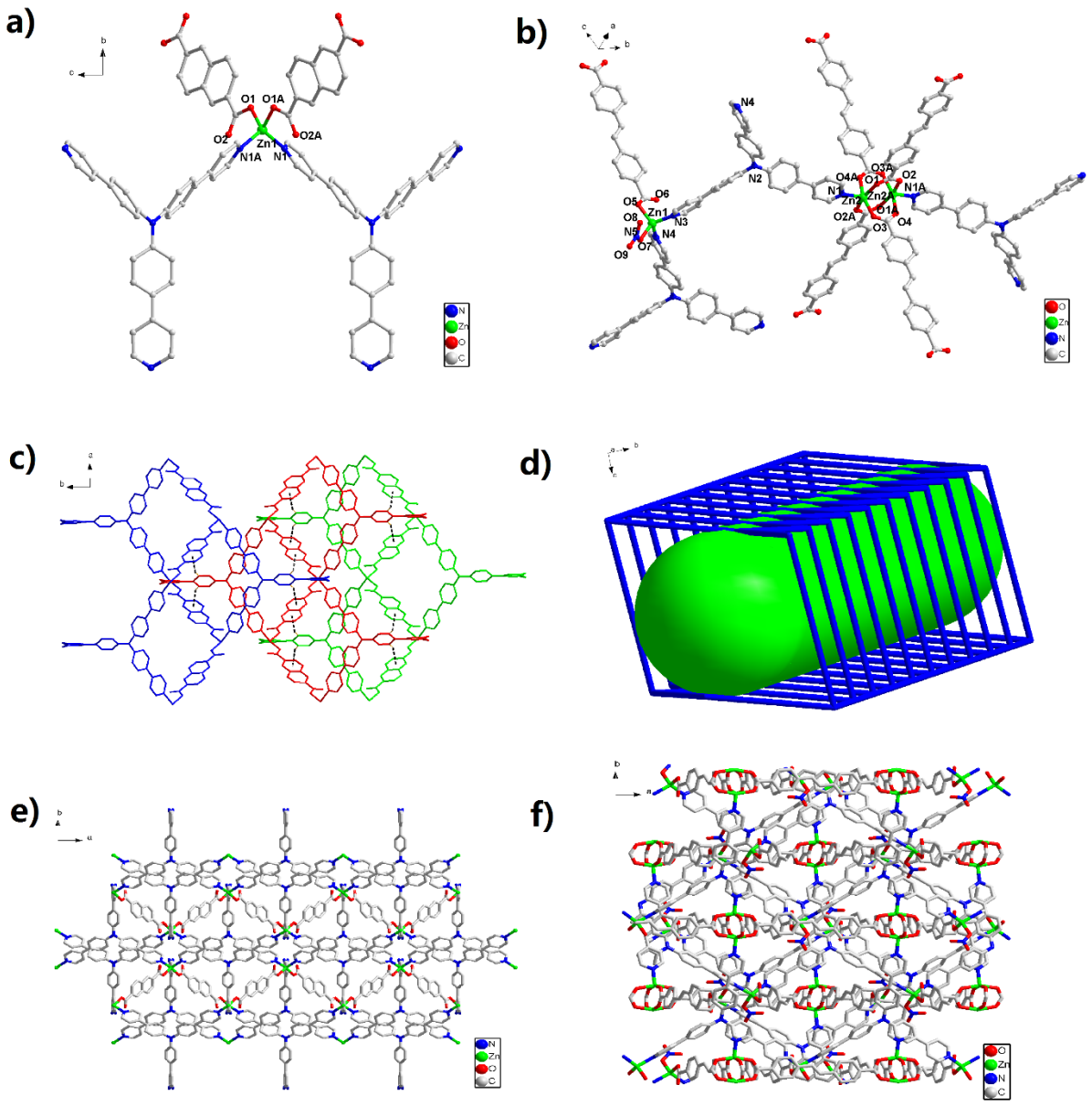

Fig. S3. (a) Coordination environment of the Zn^{2+} ion in **1**. Symmetry code: #1 = 2 - *x*, *y*, 1.5 - *z*. (b) Coordination environment of the Zn^{2+} ion in **2**. Symmetry code: #1 = - *x*, 1 - *y*, 1 - *z*. (c) The C-H…π interactions in layers of **1**. (d) View of the rectangular channel in **2**. (e) Framework of **1** viewed along the c-axis. (f) Framework of **2** viewed along the c-axis. The hydrogen atoms are omitted for clarity.

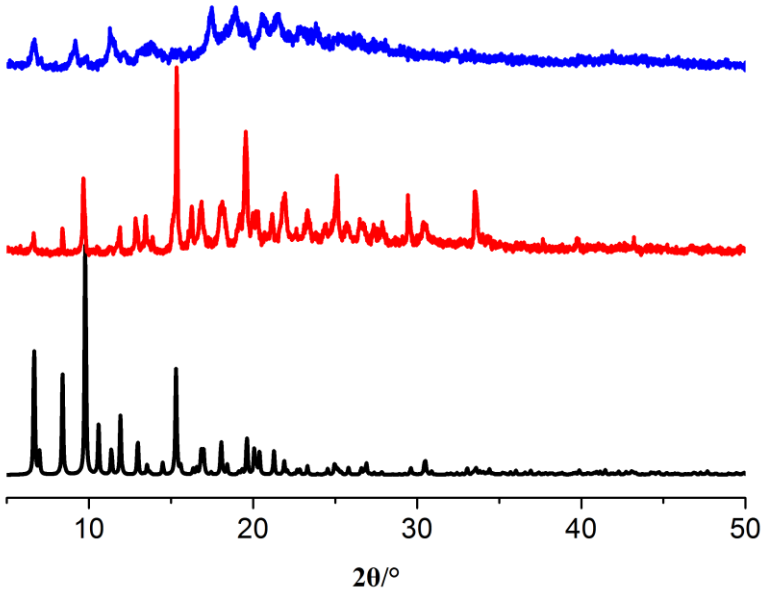

Fig. S4. PXRD patters. From bottom to top: simulated **1**, as made **1**, desolvated **1'**.

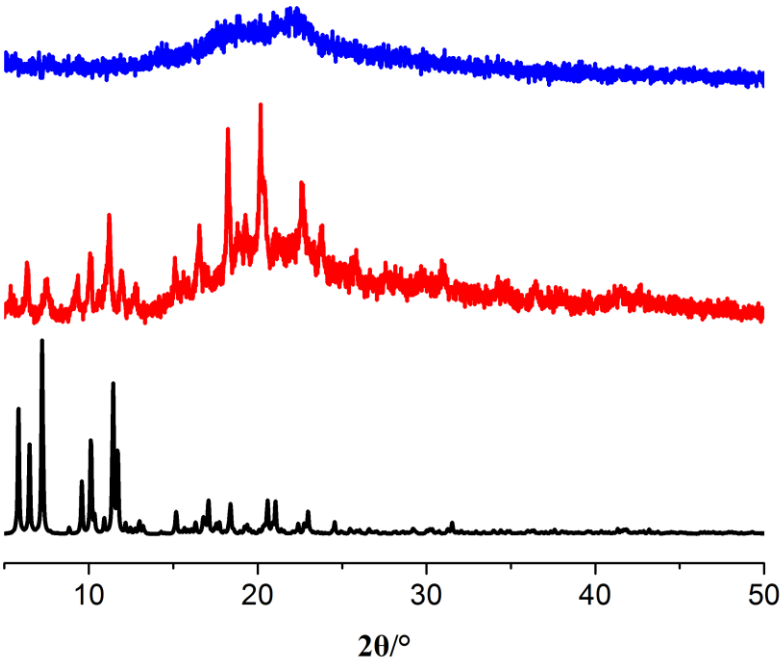

Fig. S5. PXRD patters. From bottom to top: simulated **2**, as made **2**, desolvated **2'**.

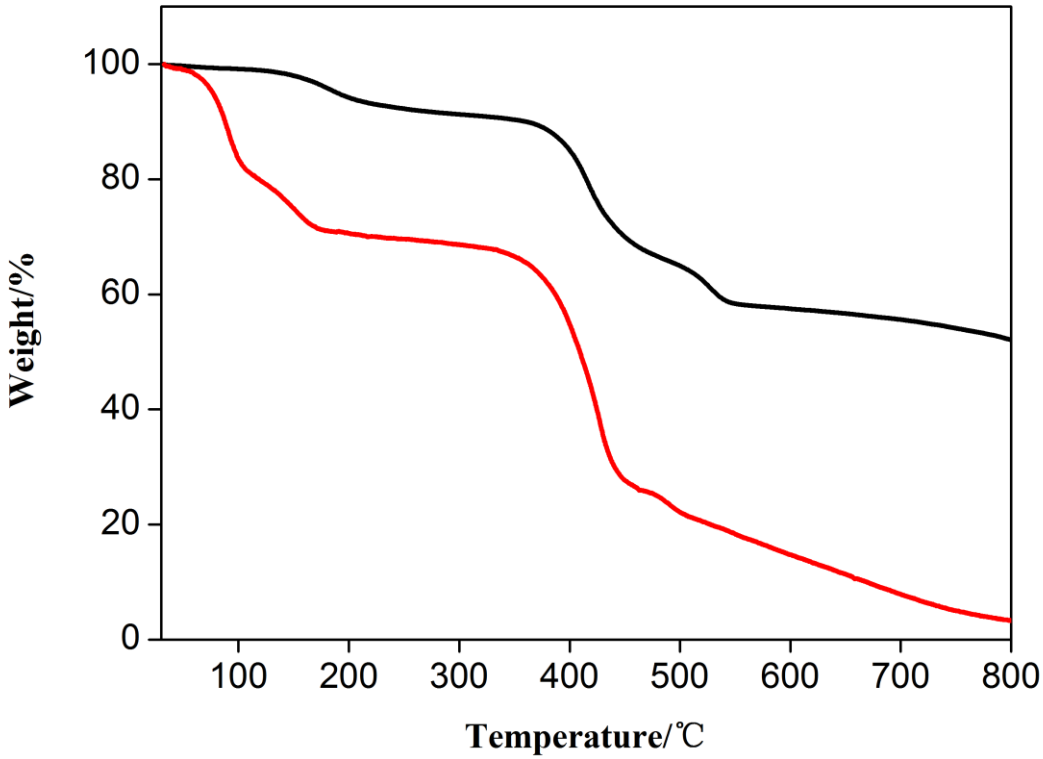

Fig. S6. TG profiles. As made **1** (red), desolvated **1'**(black).

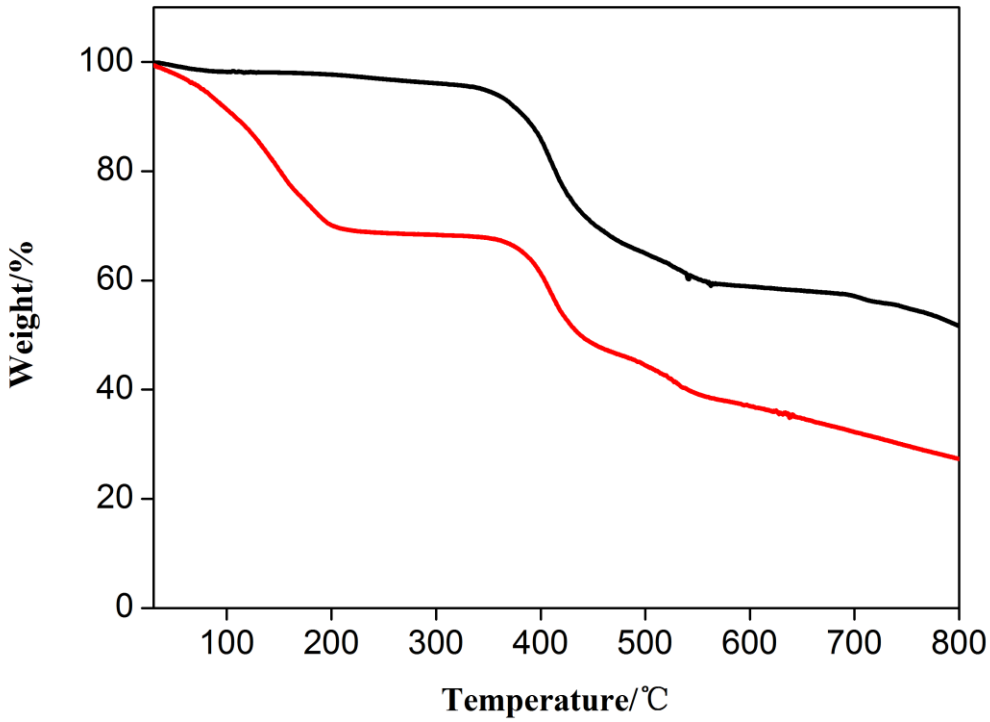

Fig. S7. TG profiles. As made **2** (red), desolvated **2'** (black).

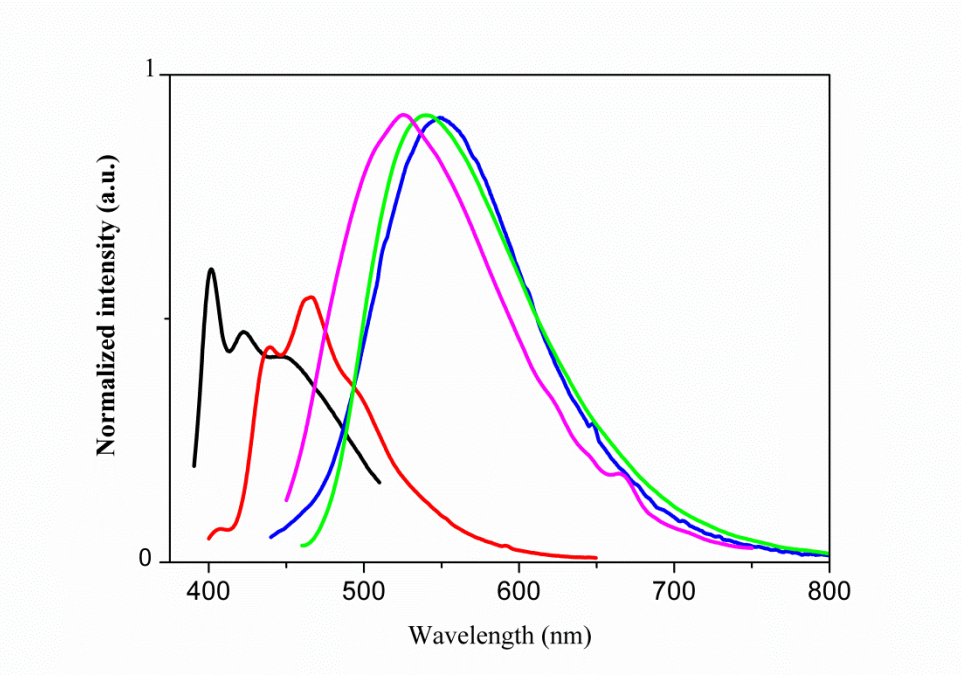

Fig. S8. Emission spectra of ndc (black), sdc (red), tppa (blue), **1** (green) and **2** (magenta) (λ_{ex}=365nm).

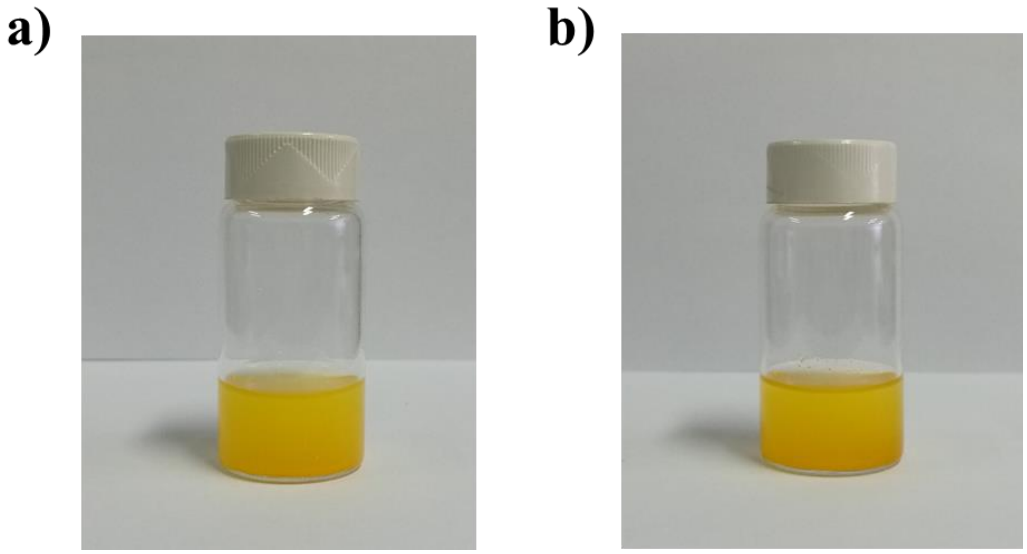

Fig. S9. Suspension of **1** (a) and **2** (b) dissolved in ethyl acetate.

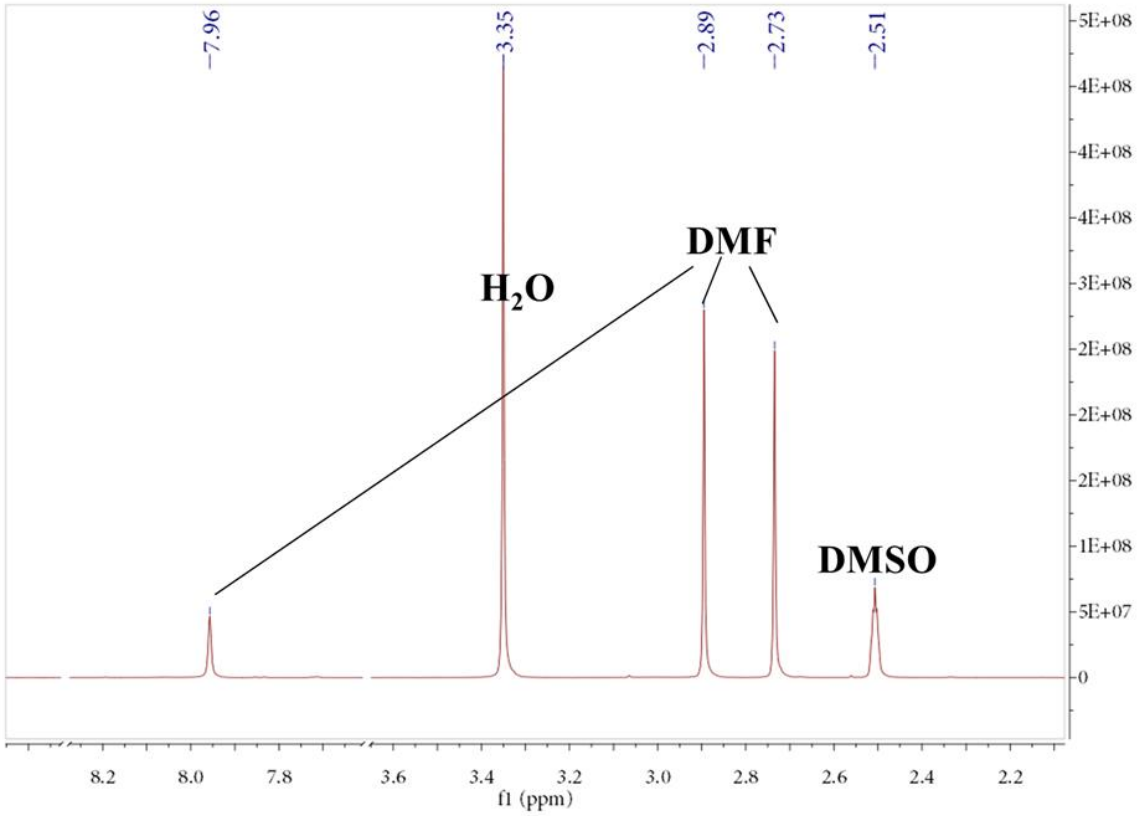

Fig. S10. ^{1}H NMR spectrum of the as made **1** dissolved in DMSO-d6.

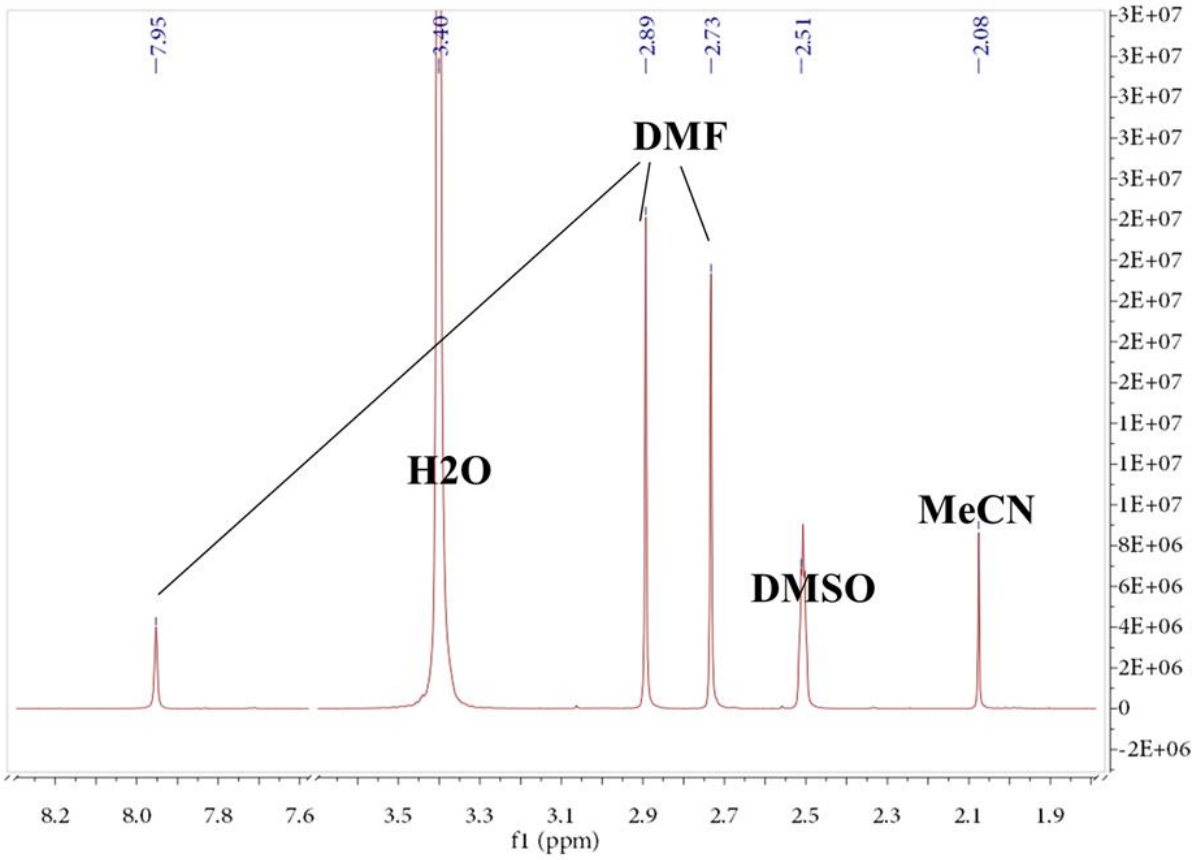

Fig. S11. ^{1}H NMR of the as made **2** dissolved in DMSO-d6.