Electronic Supplementary Material (ESI) for Dalton Transactions.
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**Electronic Supplementary Information**

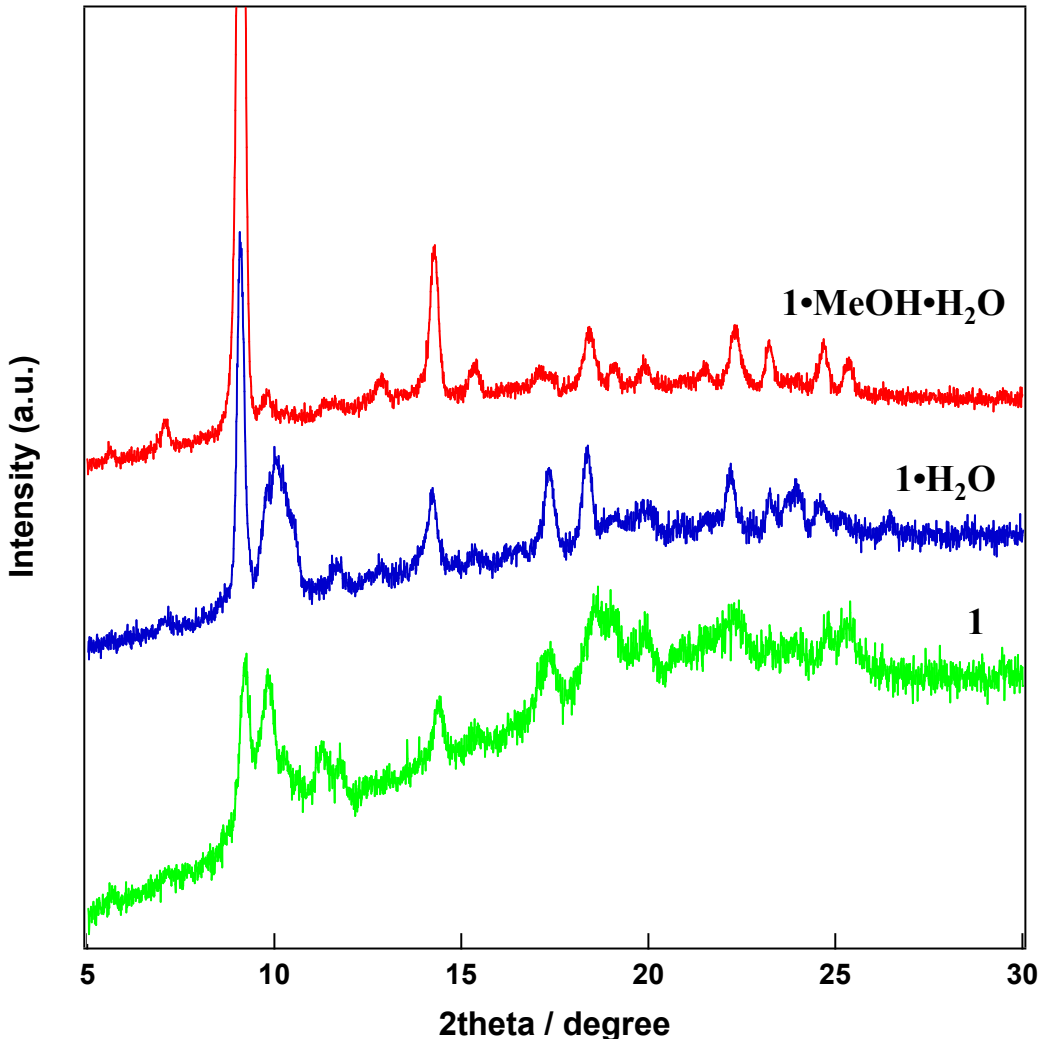


**Figure S1** Powder XRD patterns for the compounds **1·MeOH·$H_2O$**, **1·$H_2O$** and **1** at room temperatures.

The EPR spectra of the polycrystalline powders were measured for the compound **1'** in the temperature range of 3.6 - 292 K. The spectra show resonances arising from the mixture between LS and HS of Co(II). There were no indications at any temperature down to approximately 3.6 K of resonances attributable to HS Co(II).

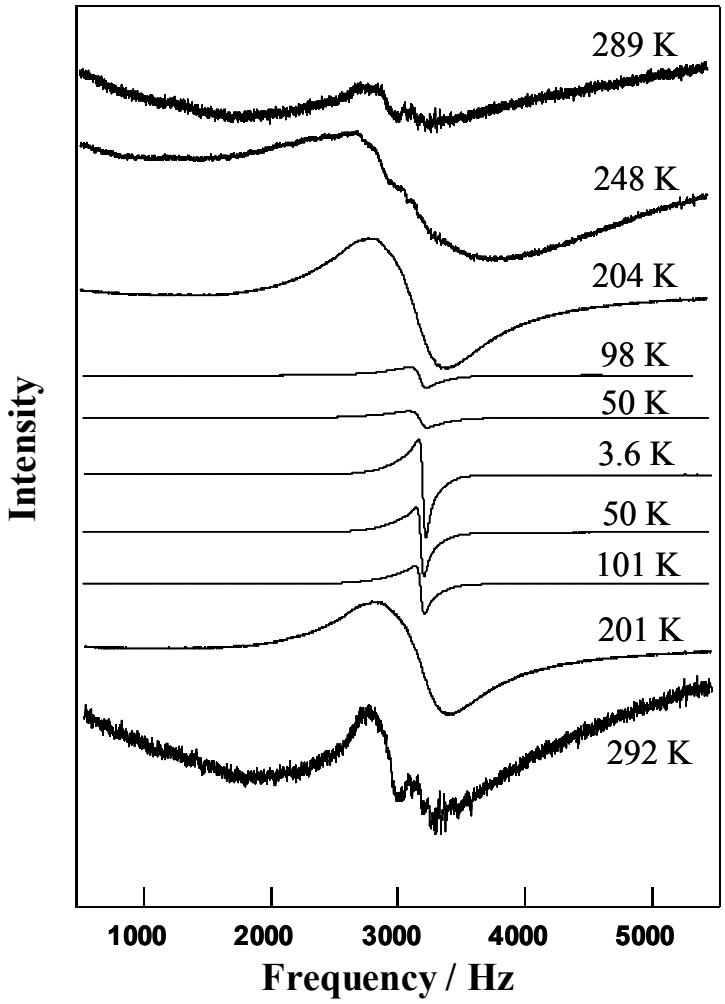


**Figure S2** ESR signals for the compound **1'** in the temperature range of 3.6 - 292 K.

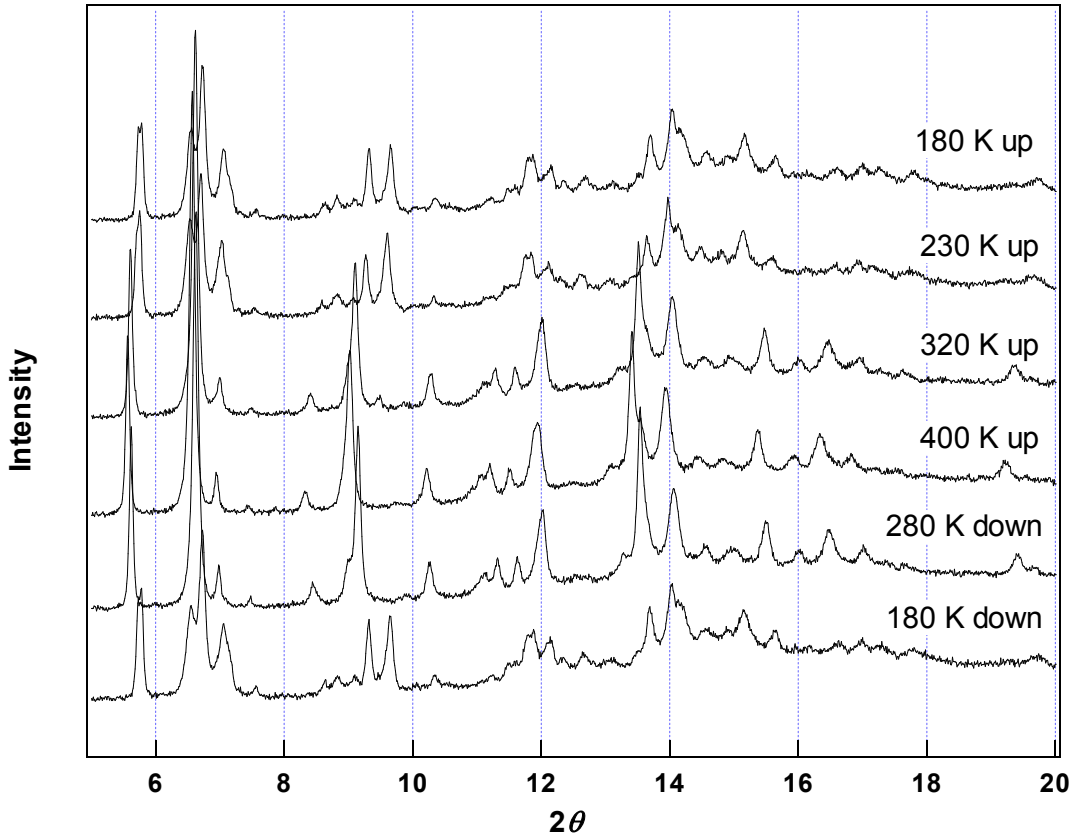


**Figure S3** Powder XRD patterns for the compound **1'** at various temperatures.