

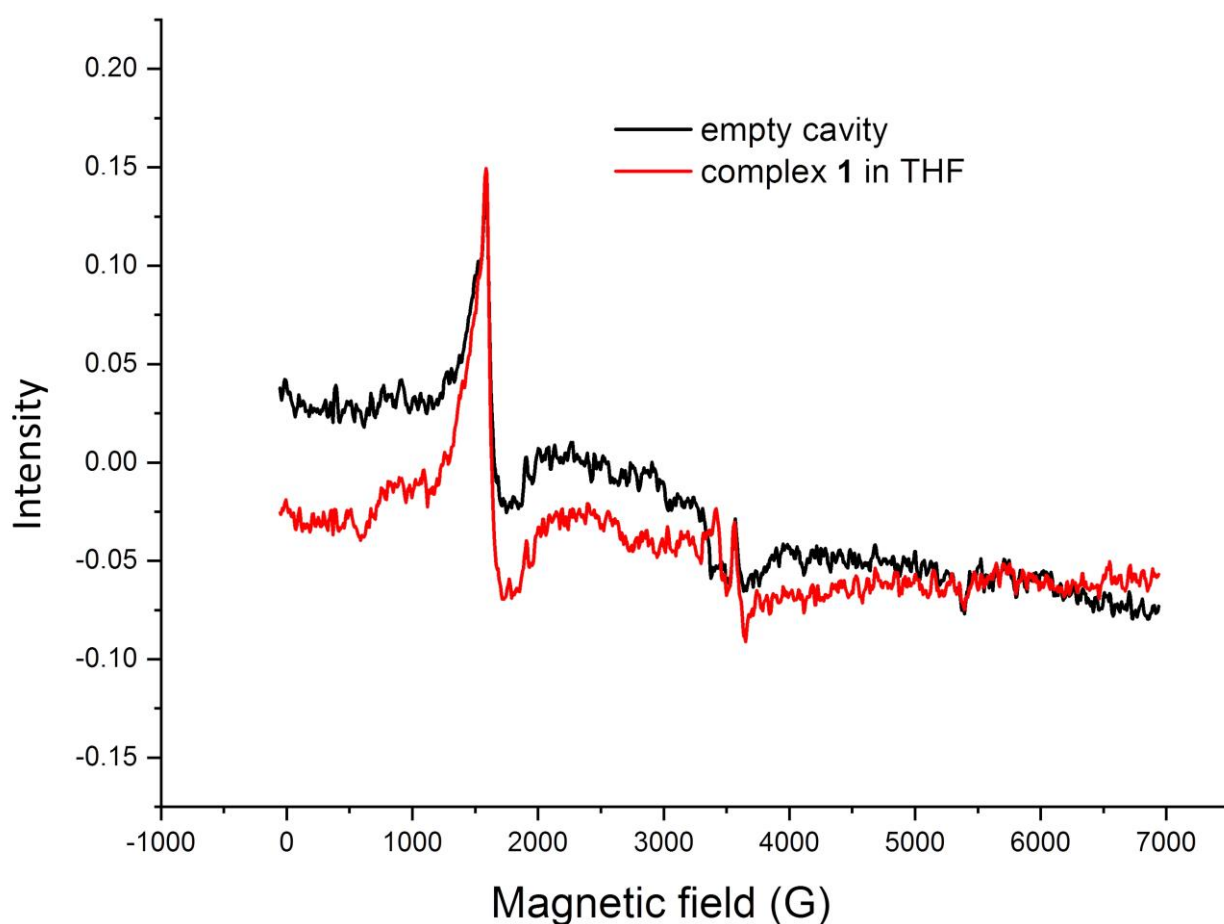
SUPPLEMENTARY MATERIALS for

**Manganese(II) bromide coordination toward the target product and by-product of the condensation reaction between 2-picolyl amine and acenaphthenequinone**

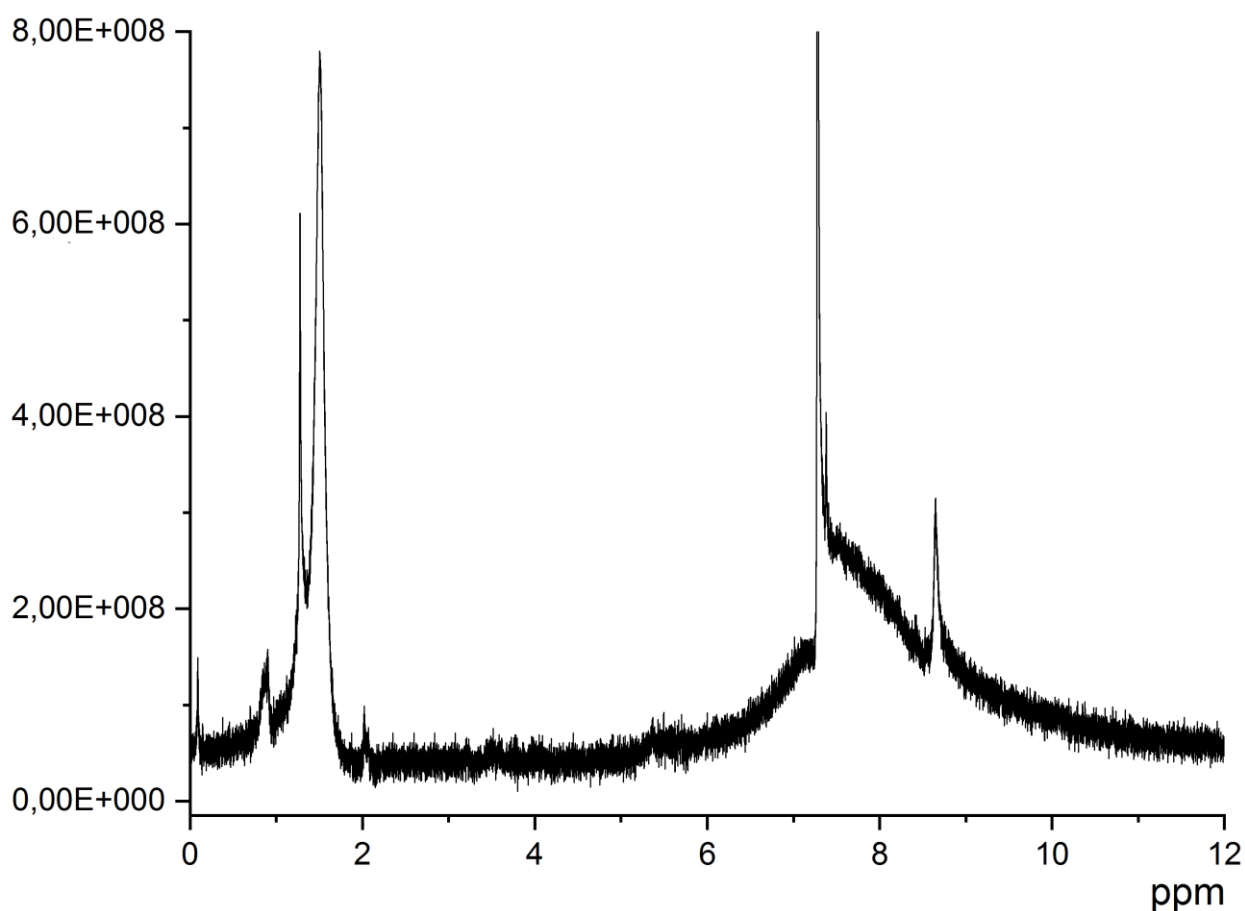
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**Figure S1.** EPR spectra of complex 1 in THF.



**Figure S2.**  $^1\text{H}$  NMR spectra of complex **1** in  $\text{CDCl}_3$

**NMR measurements** were performed in the NMR department (A.E. Arbuzov Institute Organic and Physical Chemistry) of the Federal Collective Spectral Analysis Center for physical and chemical studies on the structure, properties, and composition of matter and materials. NMR experiments were conducted using Bruker spectrometers AVANCE-400 (399.93 MHz ( $^1\text{H}$ )) equipped with a pulsed gradient unit capable of producing magnetic field pulse gradients in the z-direction of 53.5 G  $\text{cm}^{-1}$ . Chemical shifts are reported on the  $\delta$  (ppm) scale relative to the residual solvent signals for  $^1\text{H}$ . **EPR spectroscopy.** EPR spectra were registered on a Bruker ELEXSYS E500 Xrange spectrometer. The solution of sample was prepared and placed to quartz calcined ampule in glove box inert atmosphere and then soldered.