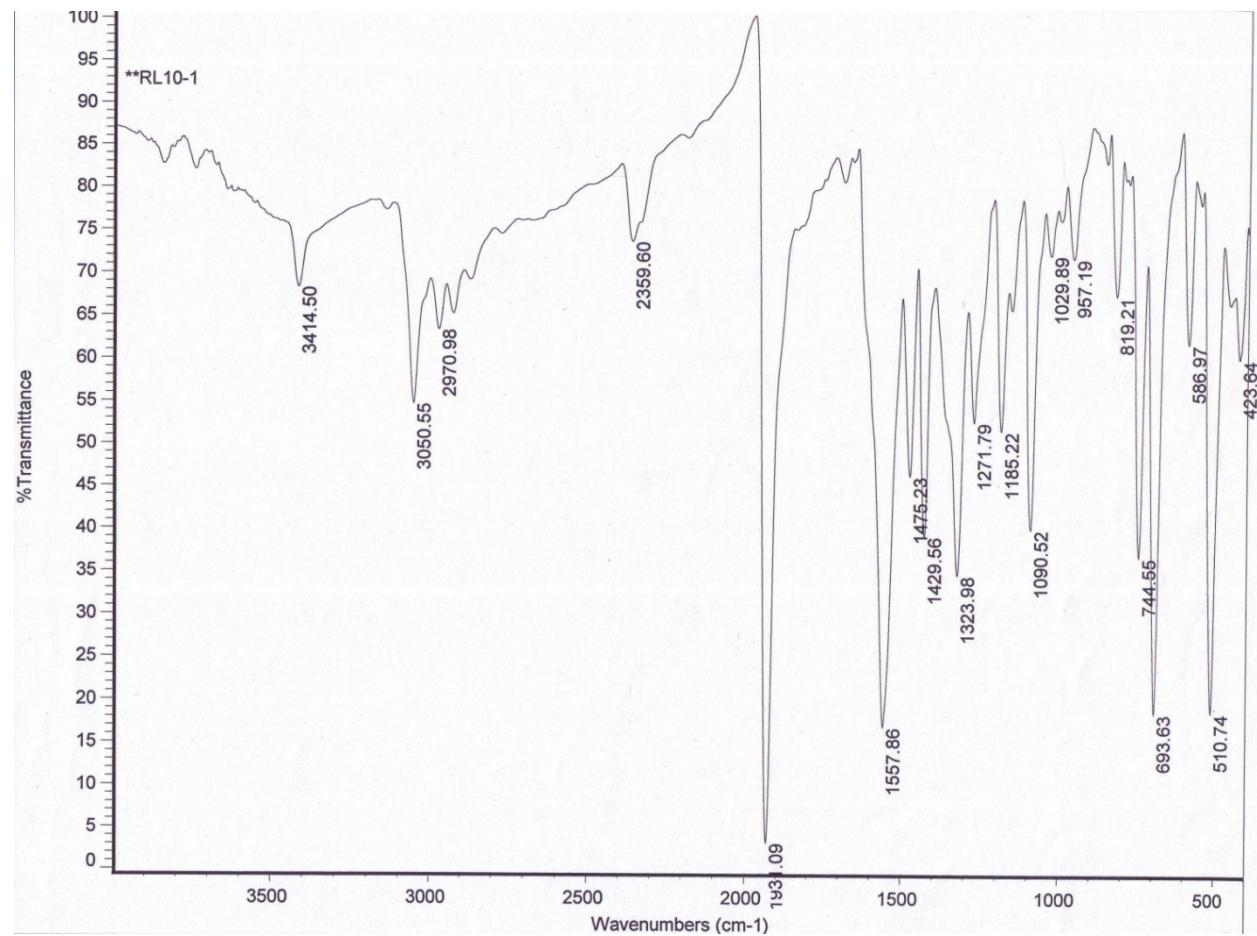
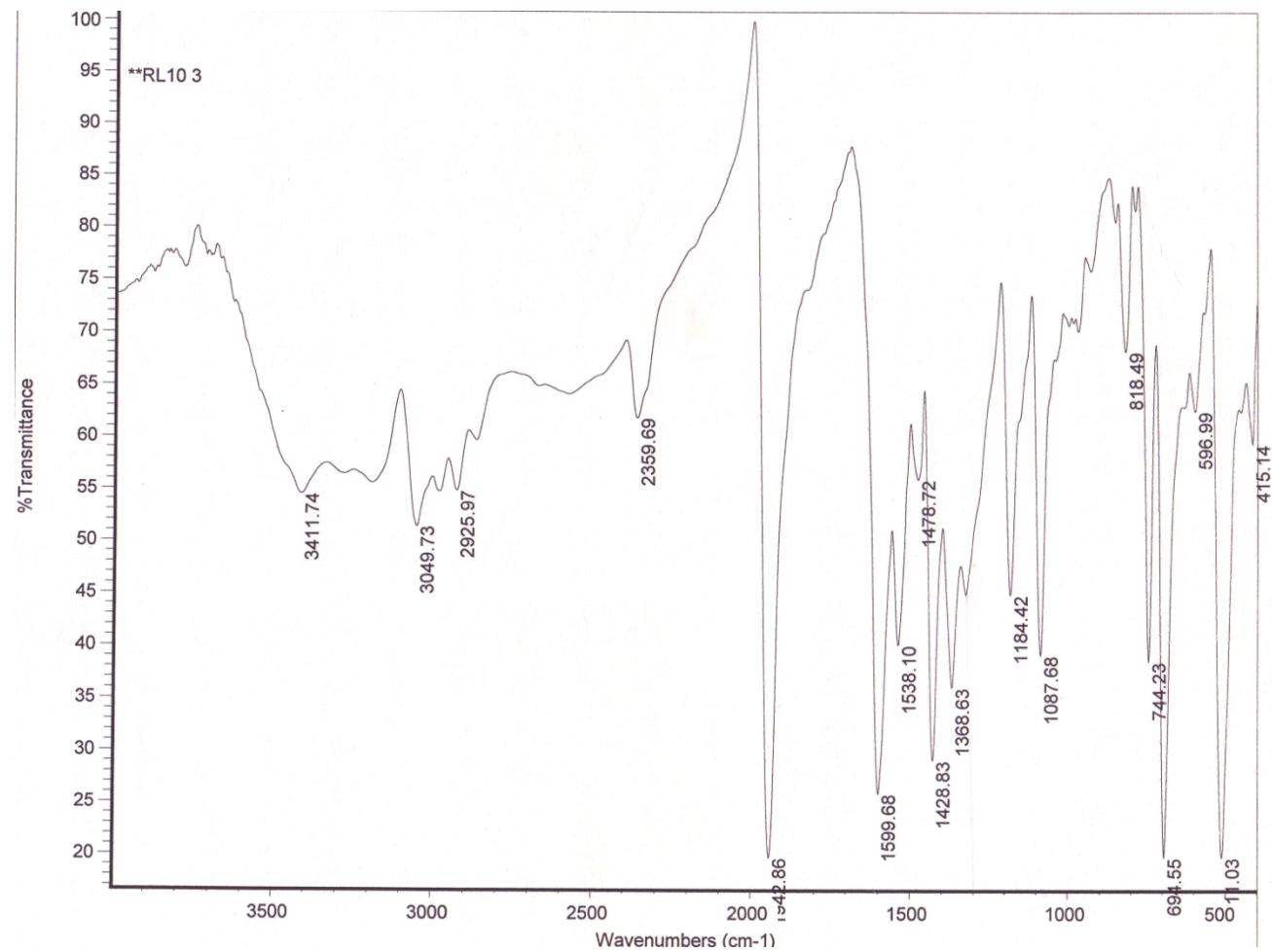


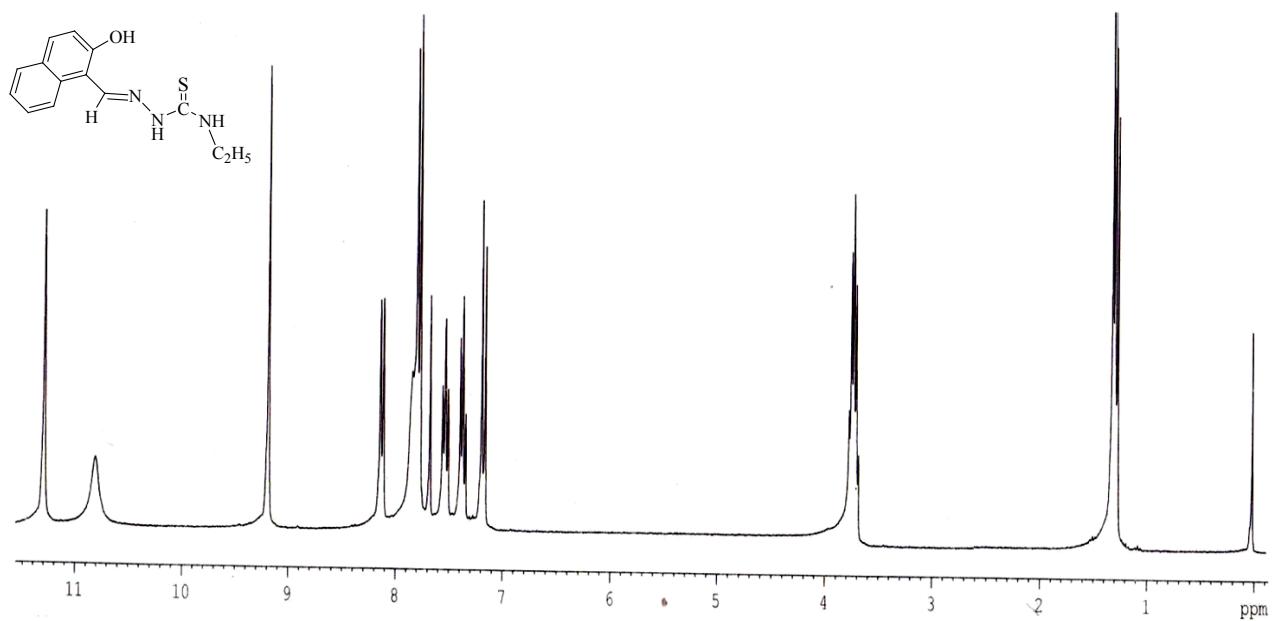
**Fig. S1** IR spectrum of  $[\text{H}_2\text{-}(\text{Nap-etsc})]$



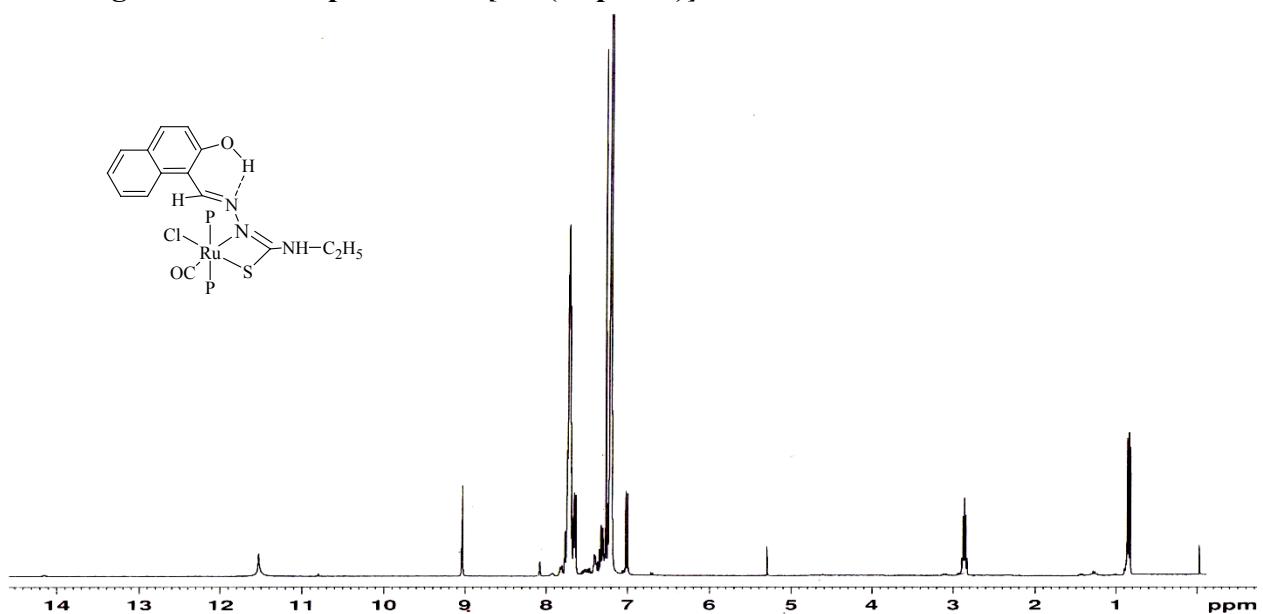
**Fig. S2** IR spectrum of  $[\text{Ru}(\text{H-Nap-etsc})(\text{CO})\text{Cl}(\text{PPh}_3)_2](1)$



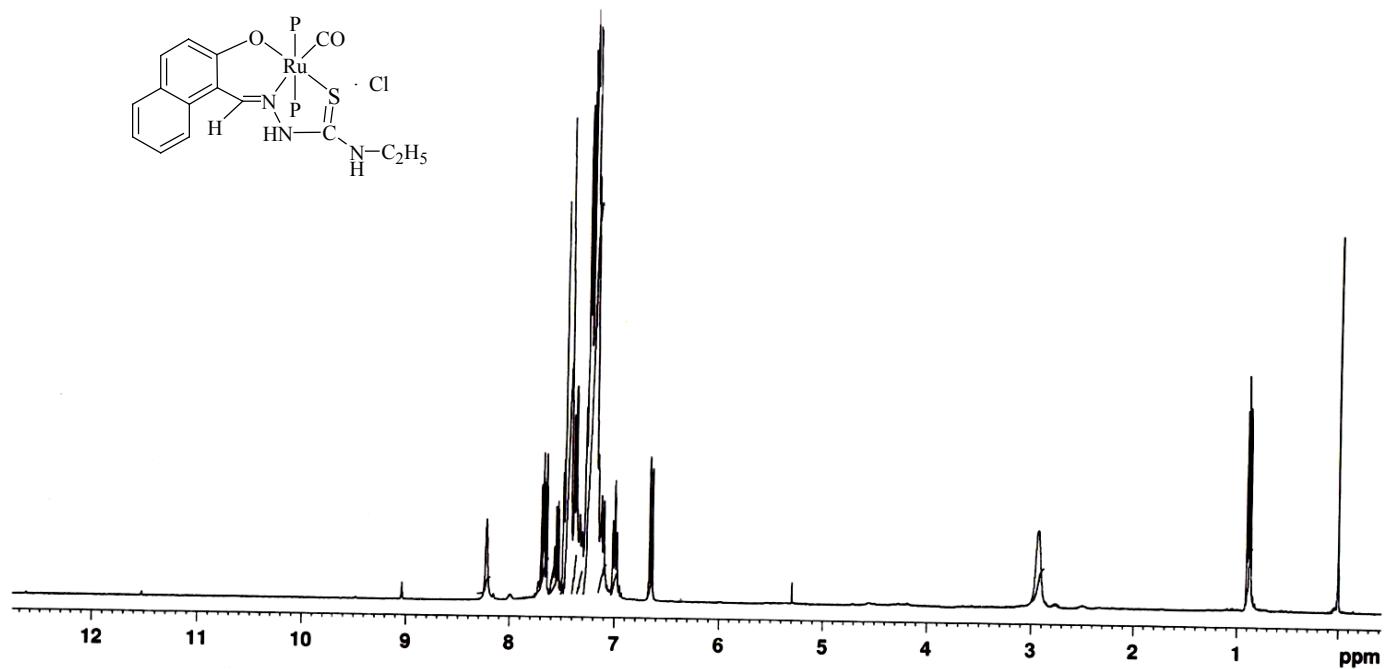
**Fig. S3** IR spectrum of  $[\text{Ru}(\text{Nap-etsc})(\text{CO})(\text{PPh}_3)_2]\text{Cl}$  (2)



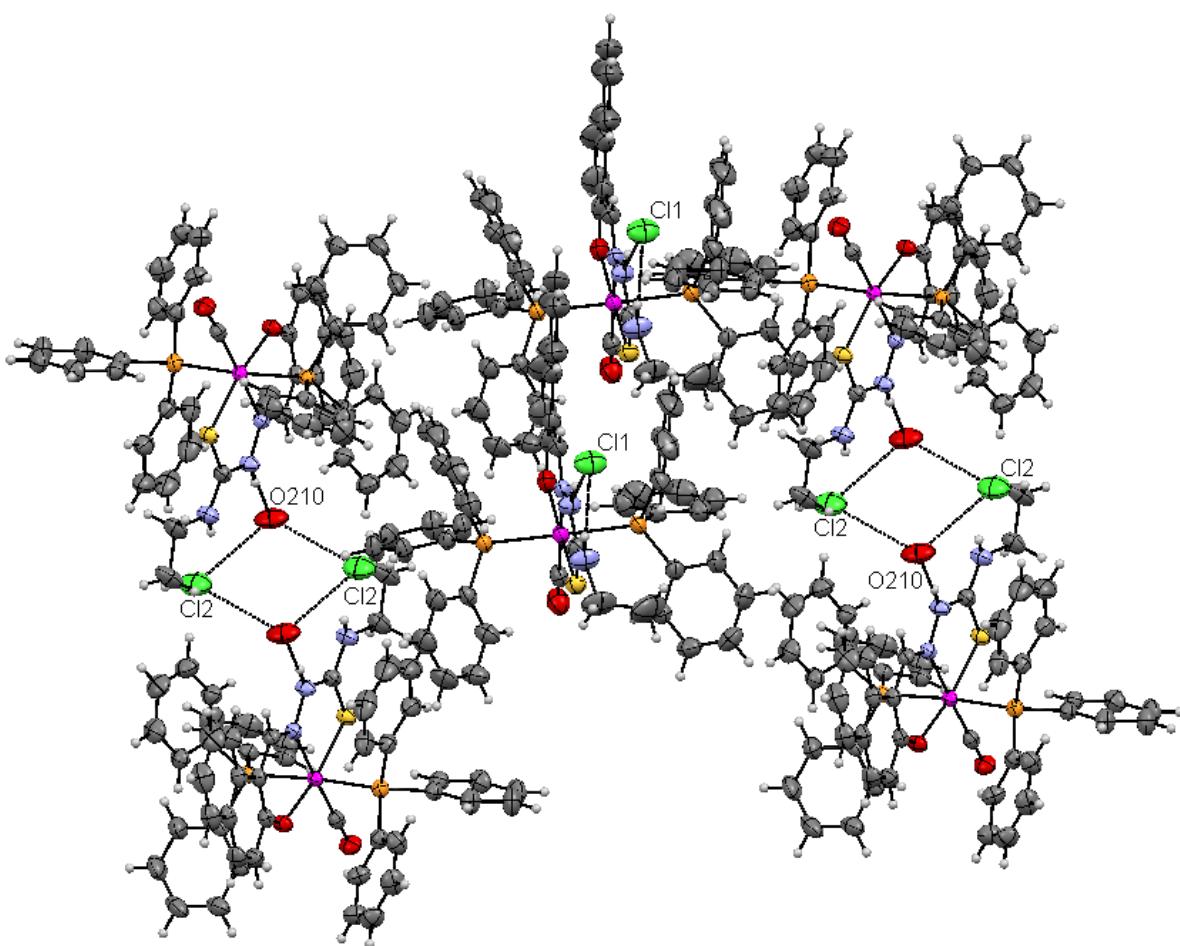
**Fig. S4** <sup>1</sup>H-NMR spectrum of [H<sub>2</sub>-(Nap-etsc)]



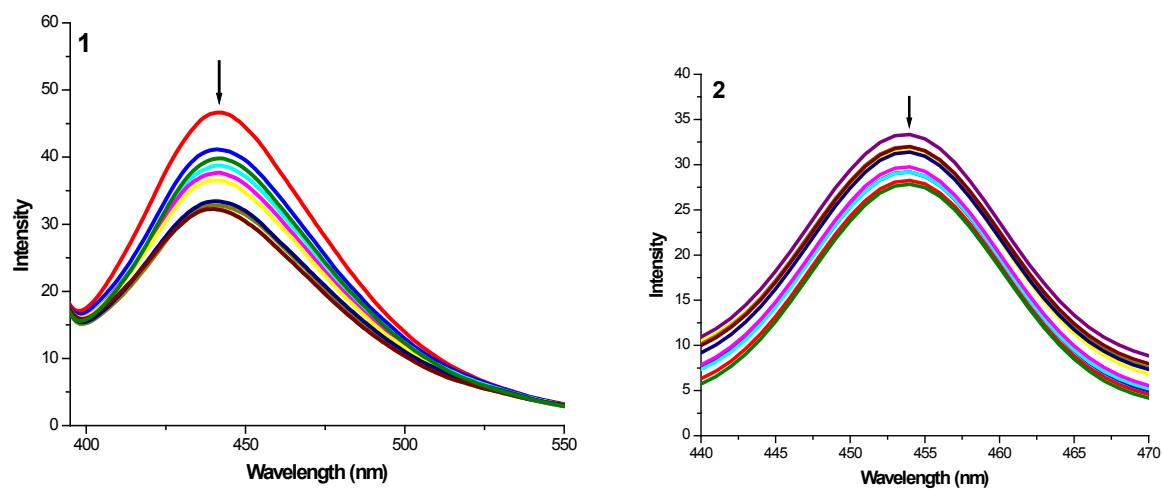
**Fig. S5** <sup>1</sup>H-NMR spectrum of [Ru(H-Nap-etsc)(CO)Cl(PPh<sub>3</sub>)<sub>2</sub>](1)



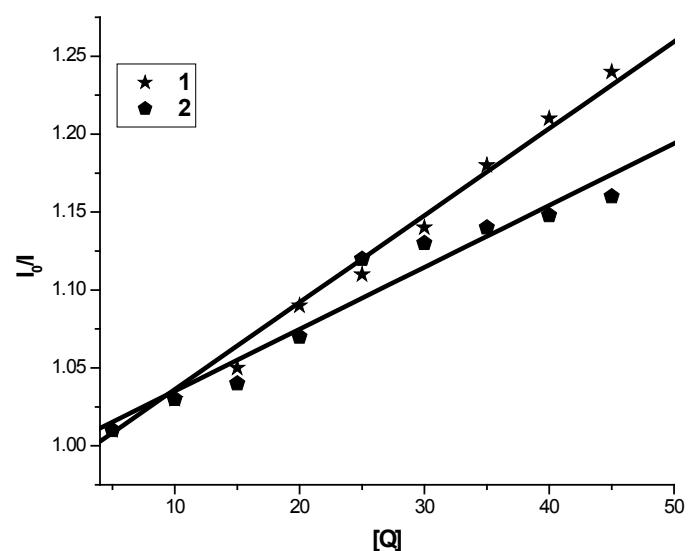
**Fig. S6** <sup>1</sup>H-NMR spectrum of [Ru(Nap-etsc)(CO)(PPh<sub>3</sub>)<sub>2</sub>].Cl (2)



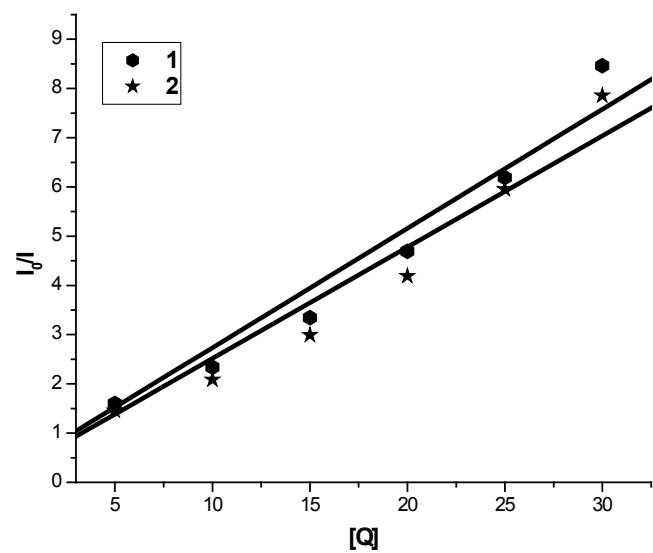
**Fig. S7** ORTEP diagram of **2** with hydrogen bonding making parallelogram



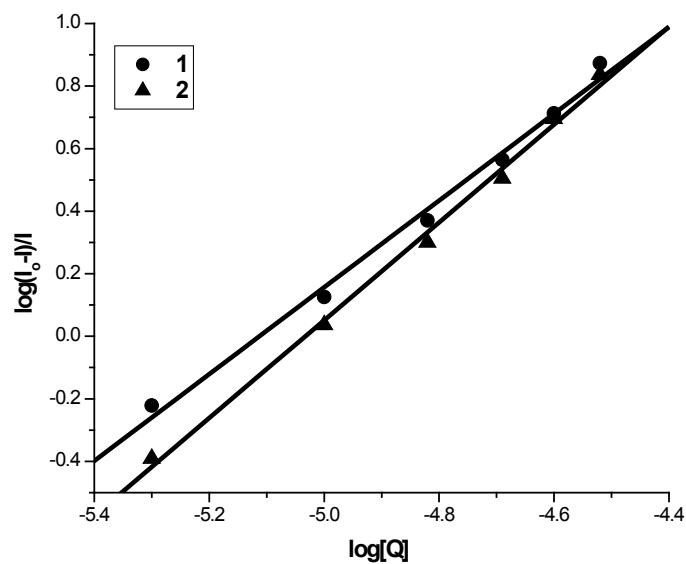
**Fig. S8** Changes in the emission spectra of **1** and **2**, with increasing concentrations (0.05-0.5 μM) of CT-DNA (tris HCl buffer, pH 7)



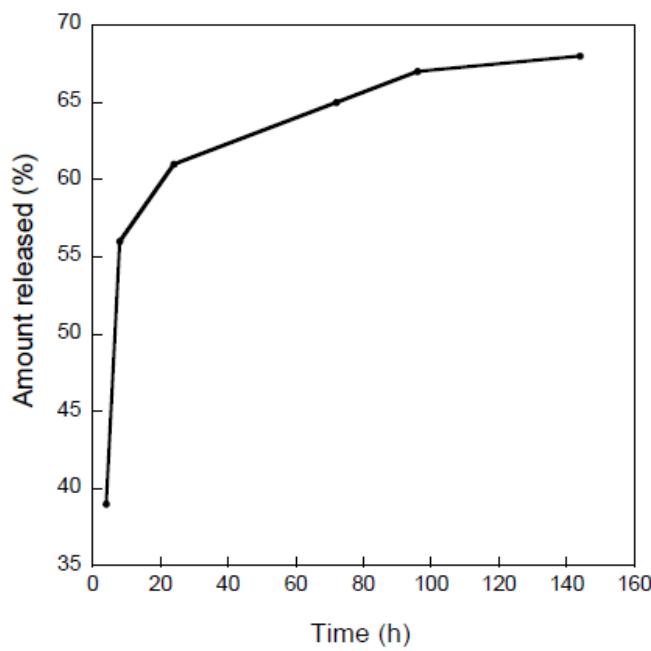
**Fig. S9** Stern–Volmer plots of the EB–DNA fluorescence titration for complexes **1** and **2**



**Fig. S10** Stern–Volmer plot of BSA fluorescence titration for complexes **1** and **2**



**Fig. S11** Scatchard plot of BSA fluorescence titration for complexes **1** and **2**.



**Fig. S12** Time dependency of the release of complex **1** from the  $(\text{Ru1})_{\text{C}}@\text{SiO}_2$  porous solid