

Electronic Supplementary Information

Photorelease of nitric oxide from Pluronic F127/Chitosan hydrogels incorporating a water soluble ruthenium nitrosyl complex

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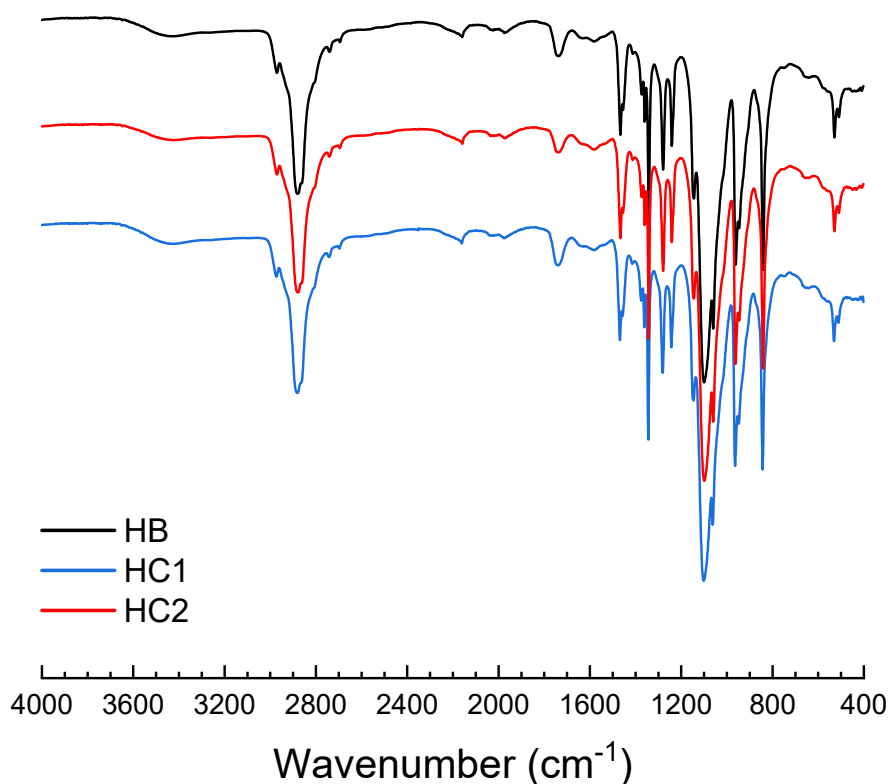


Figure SI-1: Infrared spectra for hydrogels

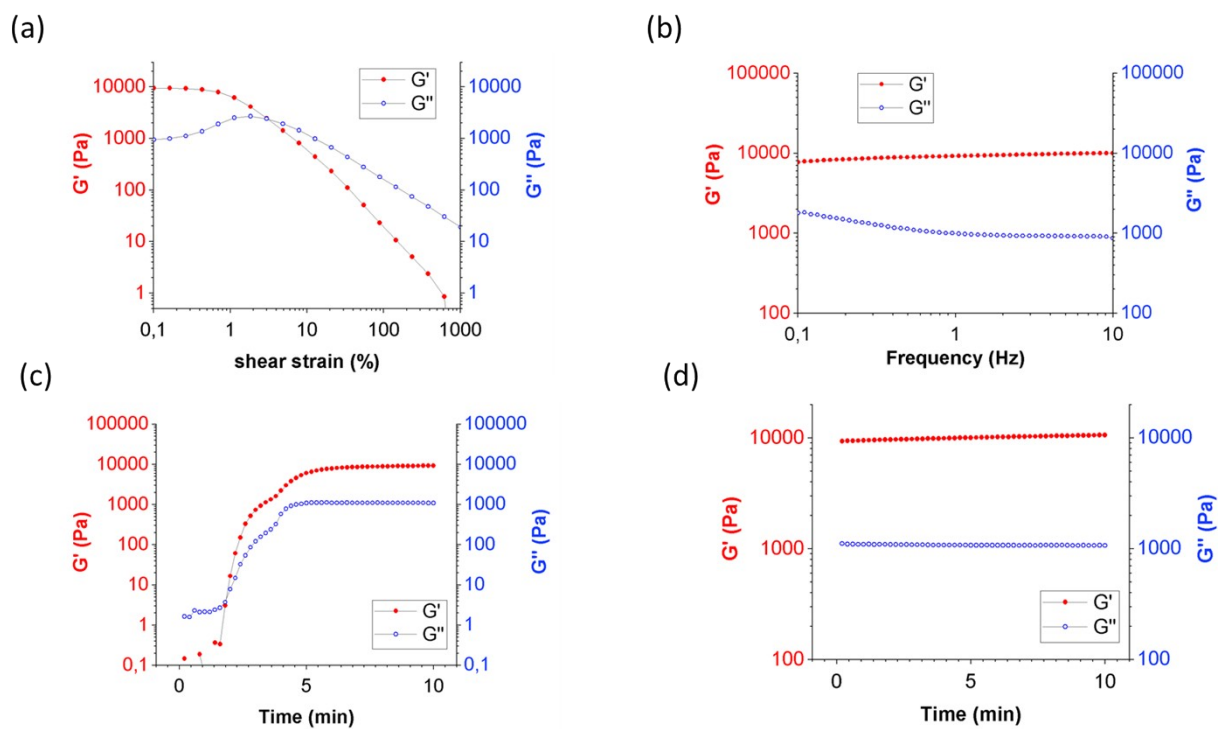


Figure SI-2. Complementary rheological data for HB. (a) Shear strain sweep for the determination of the Linear Viscoelastic Region (LVR) at 37 °C. (b) Frequency sweep at 37 °C showing that HB is a gel. (c) Evolution of G' and G'' after an instantaneous switch from 20 °C to 37 °C; it gives the time of gelation. (d) Evolution of the moduli G' and G'' at 37 °C when the gel is irradiated for 10 min at 415 nm, 20 mW.cm⁻²

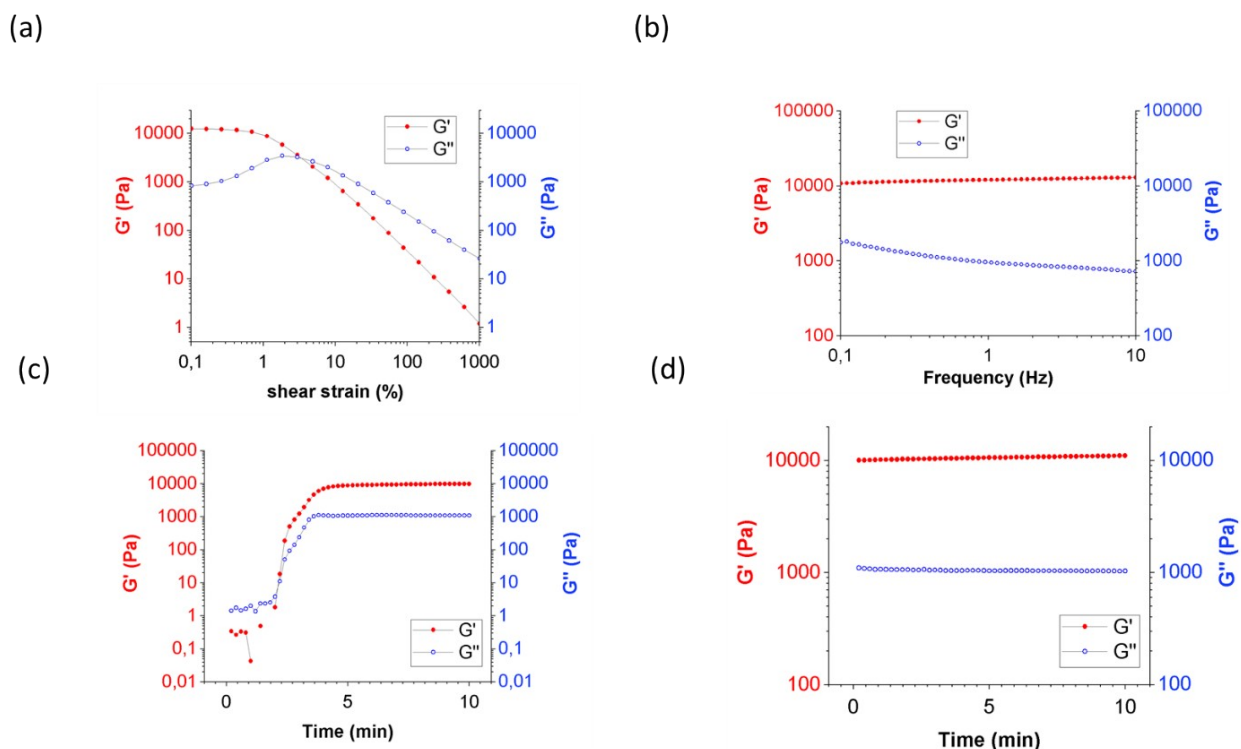


Figure SI-3. Complementary rheological data for HC1. (a) Shear strain sweep for the determination of the Linear Viscoelastic Region (LVR) at 37 °C. (b) Frequency sweep at 37 °C showing that HC1 is a gel. (c) Evolution of G' and G'' after an instantaneous switch from 20 °C to 37 °C; it gives the time of gelation. (d) Evolution of the moduli G' and G'' at 37 °C when the gel is irradiated for 10 min at 415 nm, 20 mW.cm⁻²

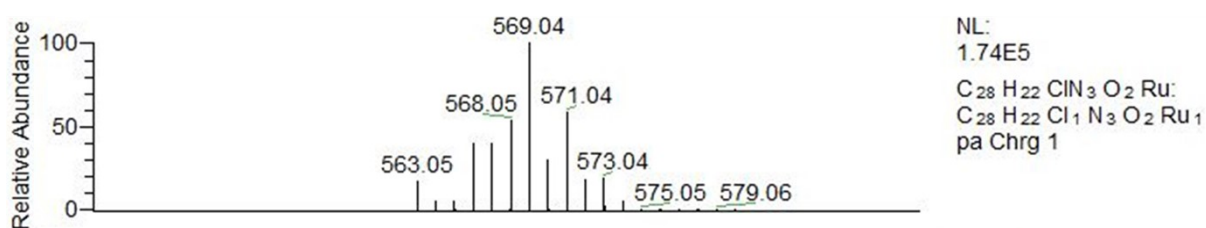


Figure SI-4. Mass spectrum for $[\text{Ru}^{\text{III}}(\text{FT})\text{Cl}(\text{H}_2\text{O})(\text{OH})]^+$

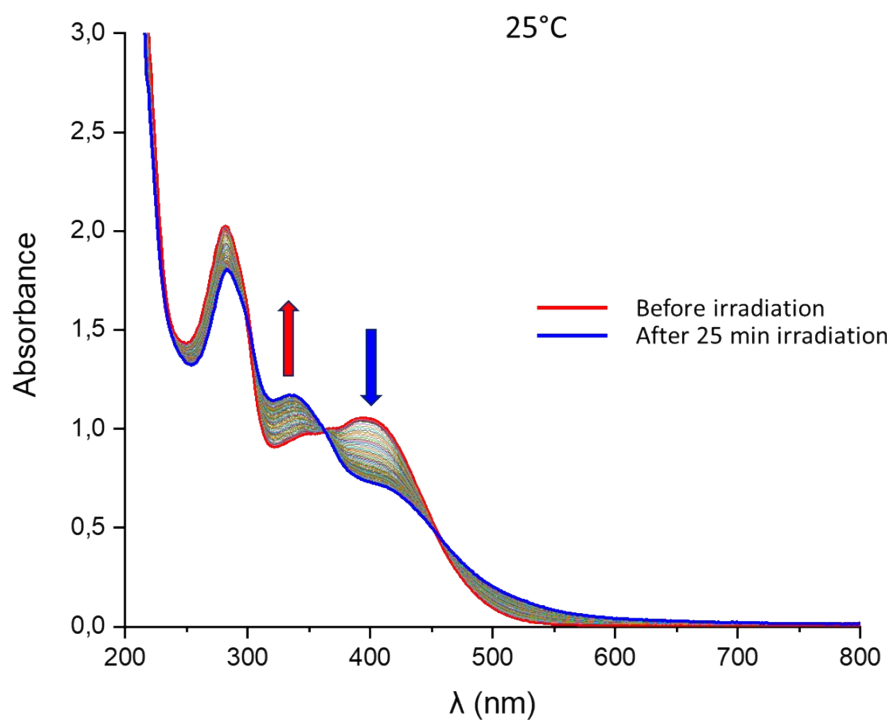


Figure SI-5. Evolution in the absorbance spectra for the *trans*-(NO,OH)-[Ru(FT)Cl(NO)(OH)]⁺ cation in water under irradiation at 400 nm

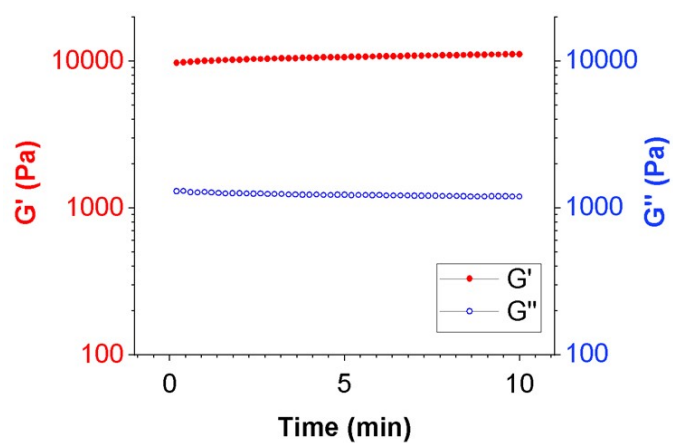


Figure SI-6. Evolution of the moduli G' and G'' for HC2 at 37 °C when the gel is irradiated for 10 min. at 415 nm ($20 \text{ mW}\cdot\text{cm}^{-2}$)