

Supporting Information:

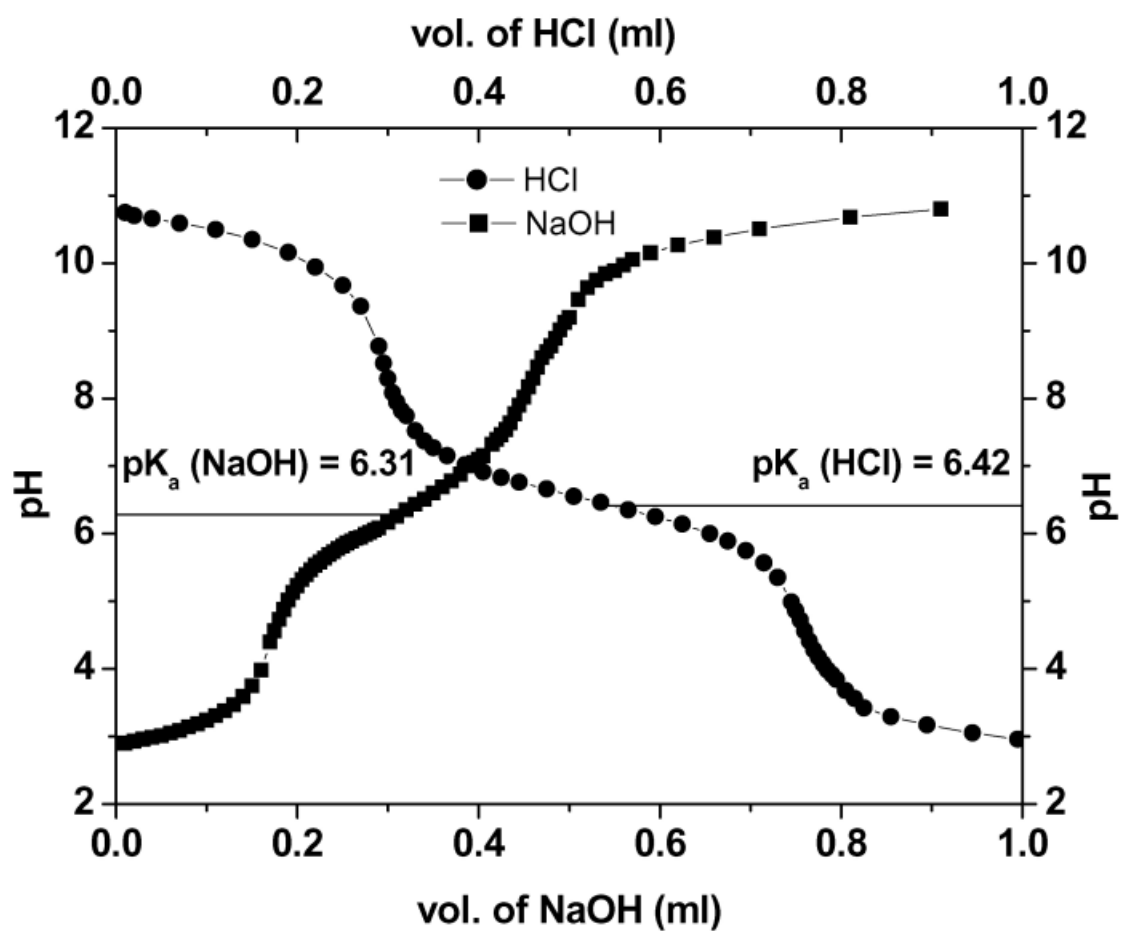


Fig. S1: pH titration curve for CBS-NH₂.

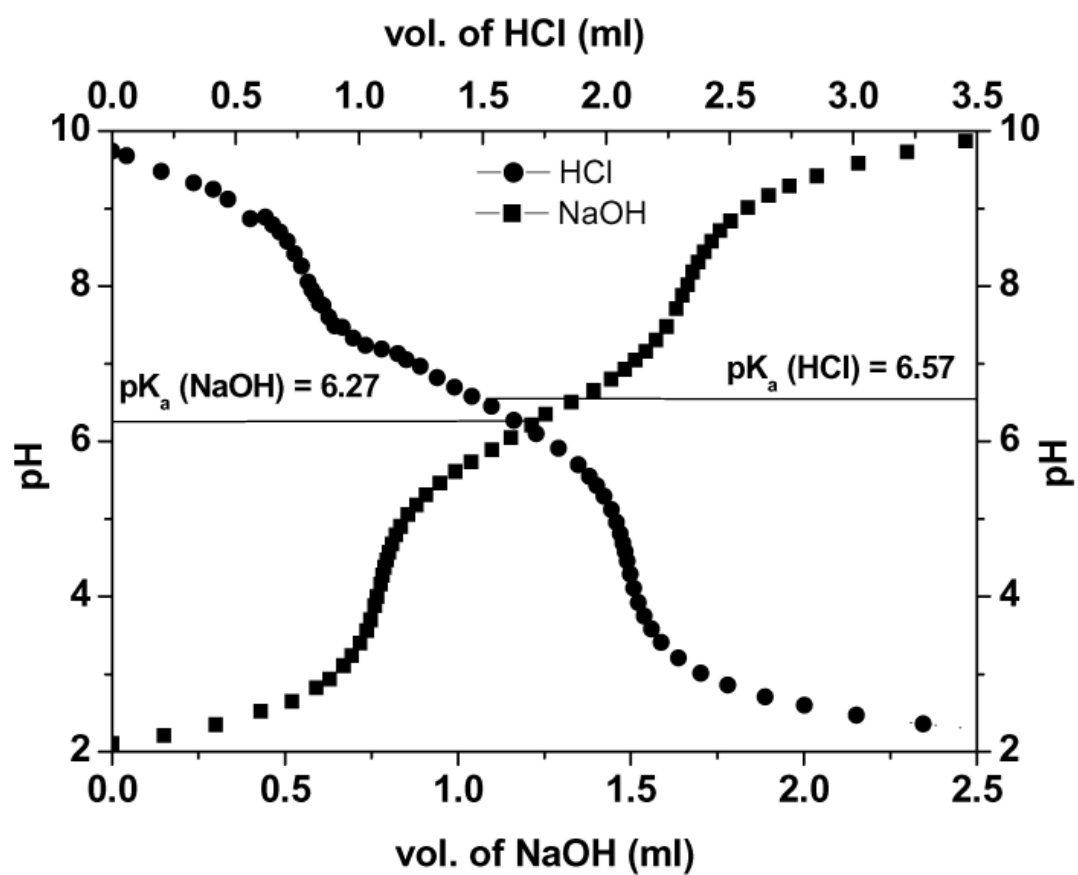


Fig. S2: pH titration curve for CBS-KKF-NH₂.

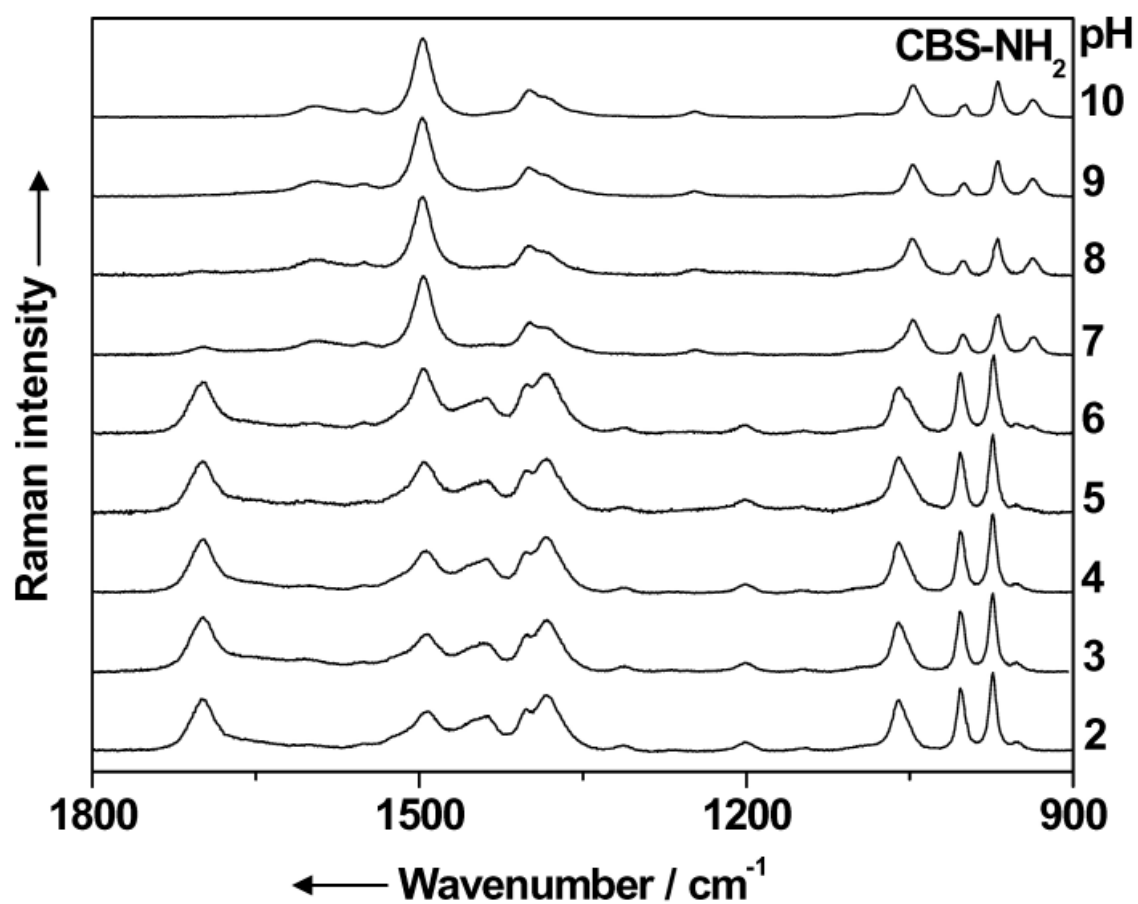


Fig. S3: UV Raman spectra of CBS-NH₂ (1 mM in water) in the range pH 2 to pH 10.

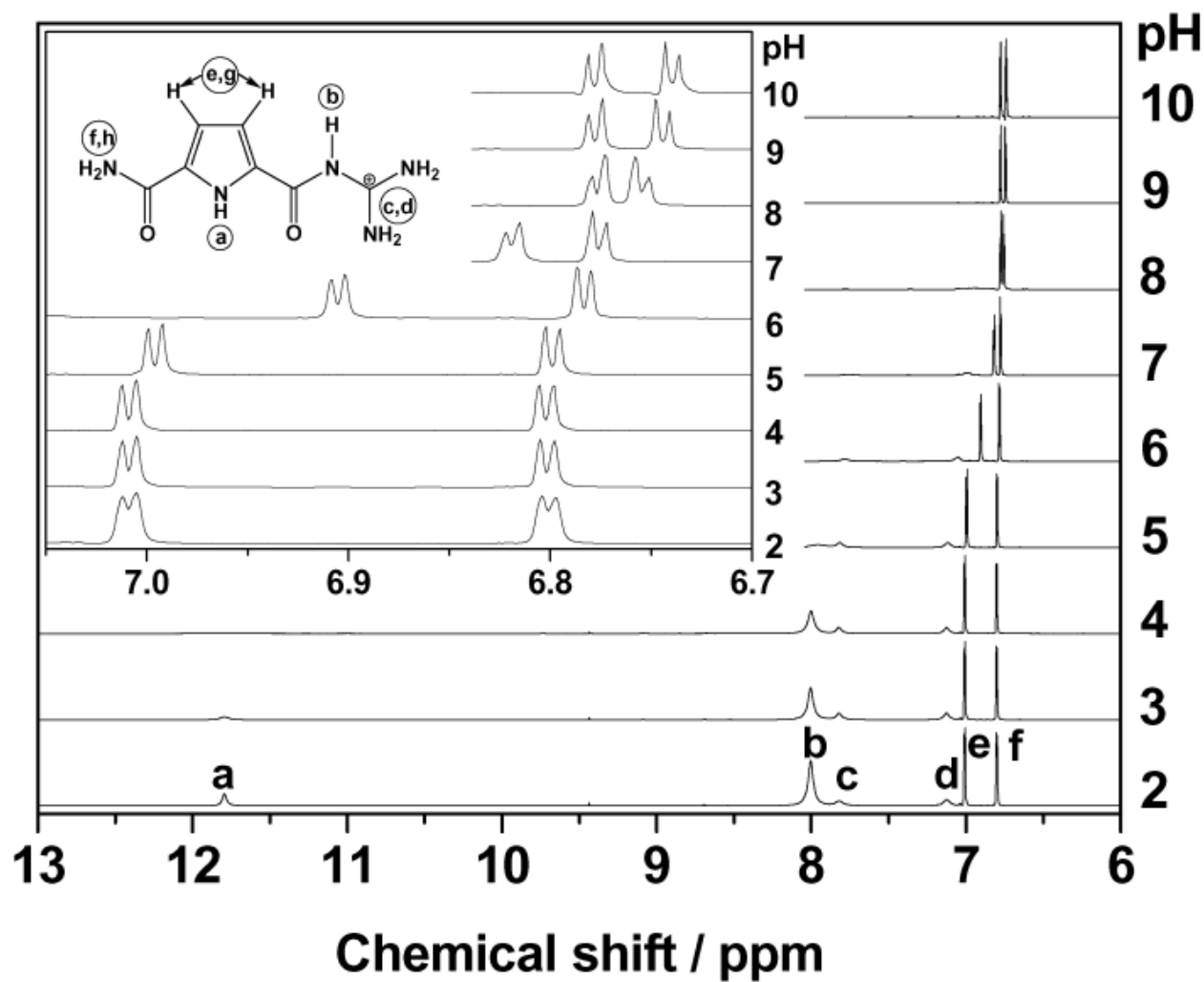


Fig. S4: NMR titration results for CBS-NH₂. The inset shows an enlarged view of the region 6.7 ppm – 7.1 ppm together with the structure of CBS-NH₂ including information on proton assignment and proton exchange.

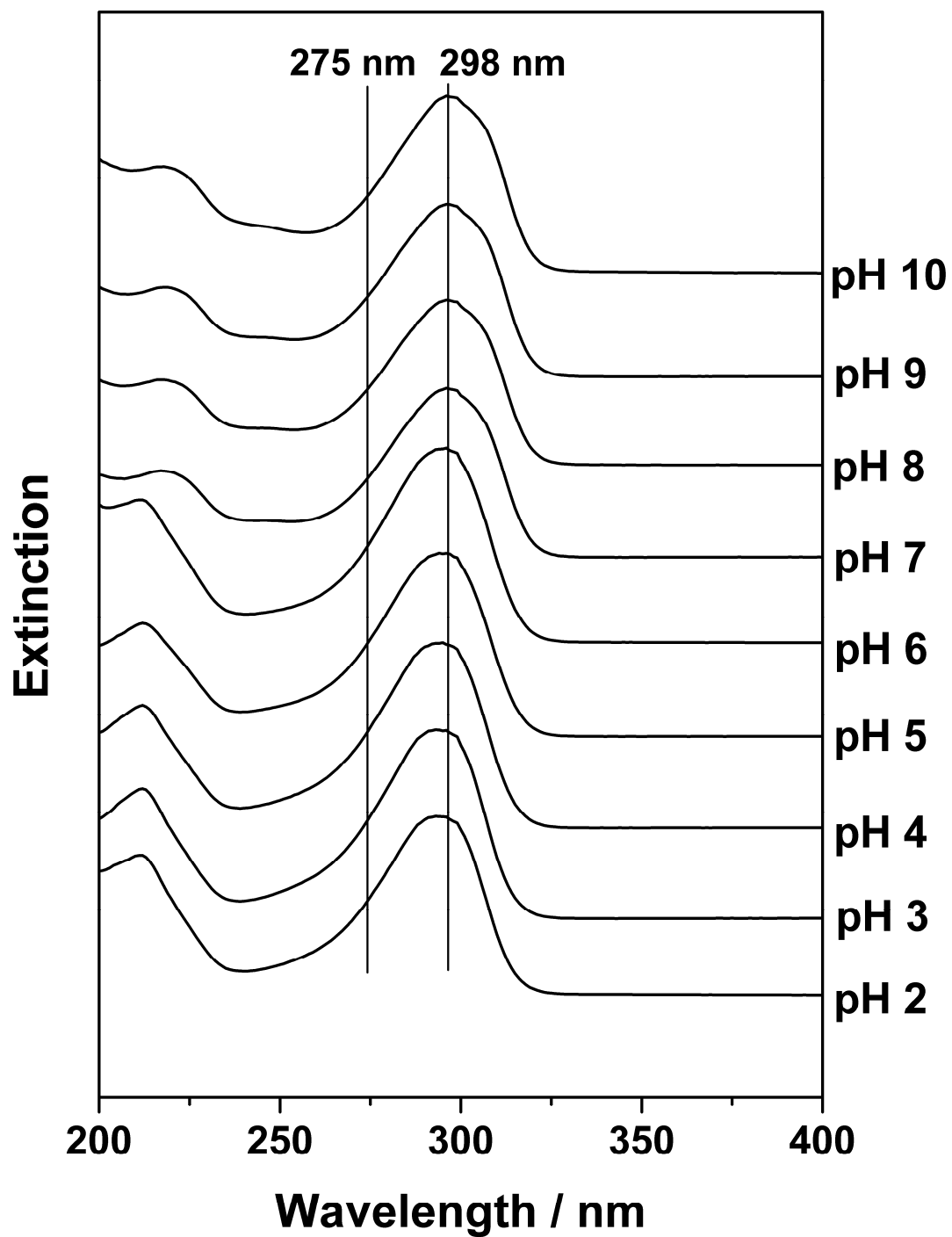


Fig. S5: Electronic absorption spectra of CBS-NH₂ from pH 2 -10.