Supporting Information

Highly specific benzothiazole based Schiff base for the ratiometric detection of hypochlorite (ClO^-) ion in aqueous system: a real application in biological imaging

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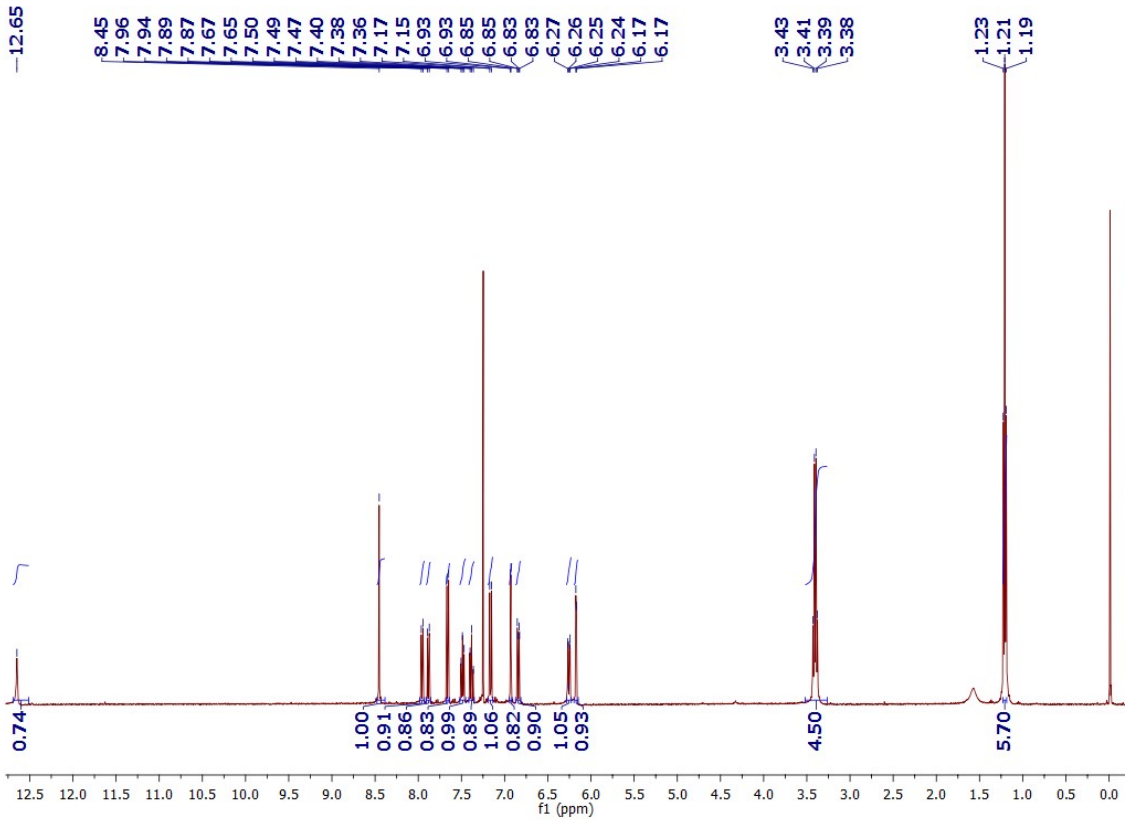

Figure S1: ^{1}H NMR spectrum of probe 1

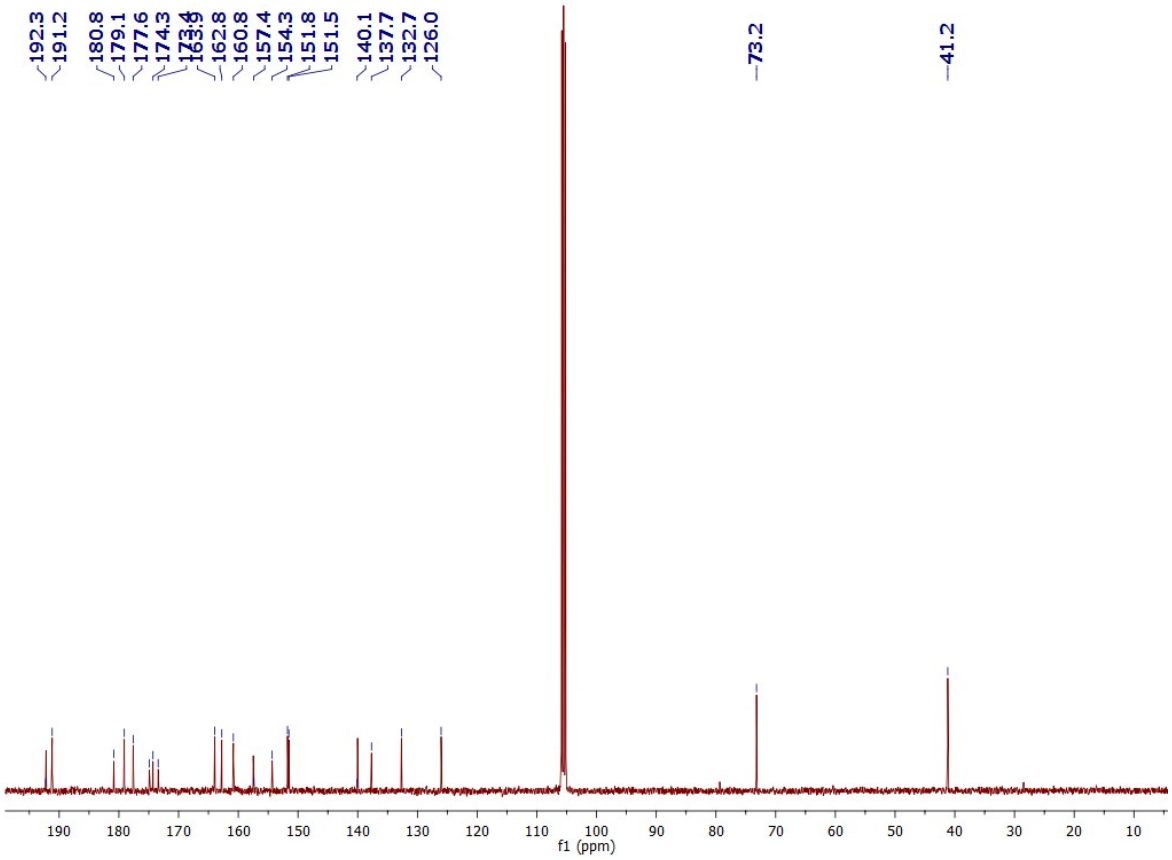

Figure S2: ^{13}C NMR spectrum of probe 1

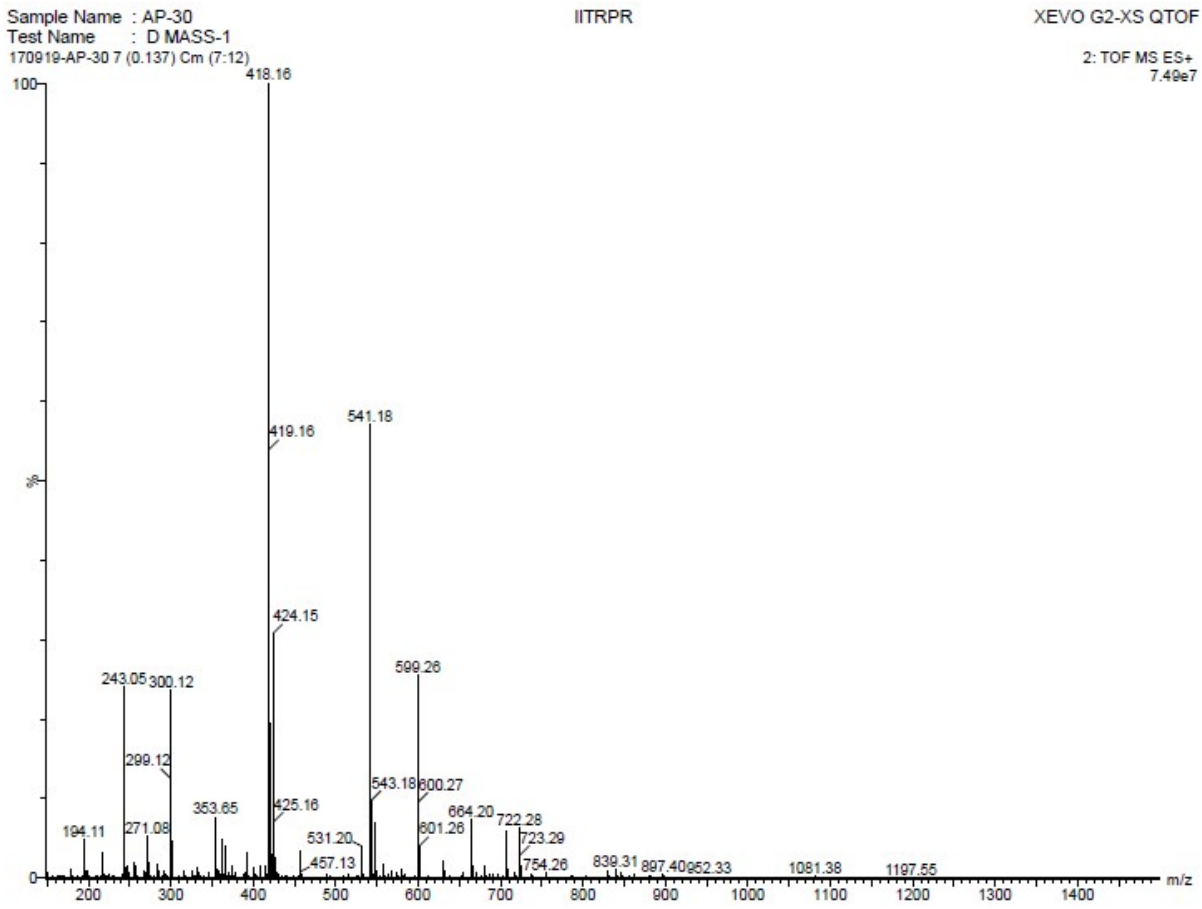

Figure S3: Mass spectrum of probe **1**

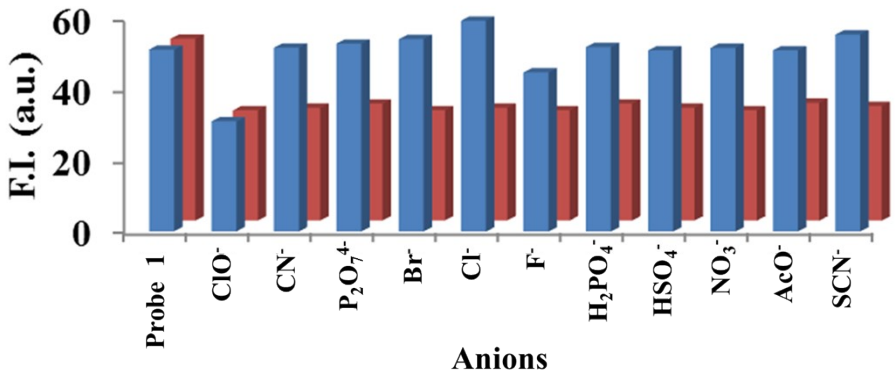

Figure S4: Relative emission intensity of probe **1** (20 μM, CH_3OH: H_2O (9:1, [v/v], pH=7.04) (λ_{ex}= 435 nm) with different competing anions in the absence and presence of ClO^- at λ_{em}= 520 nm, where blue bars represent the emission intensity change of probe **1** with different anions (1000 μM) and red bars represent probe **1** + ClO^- in the presence of different relevant competing anions (1000 μM)

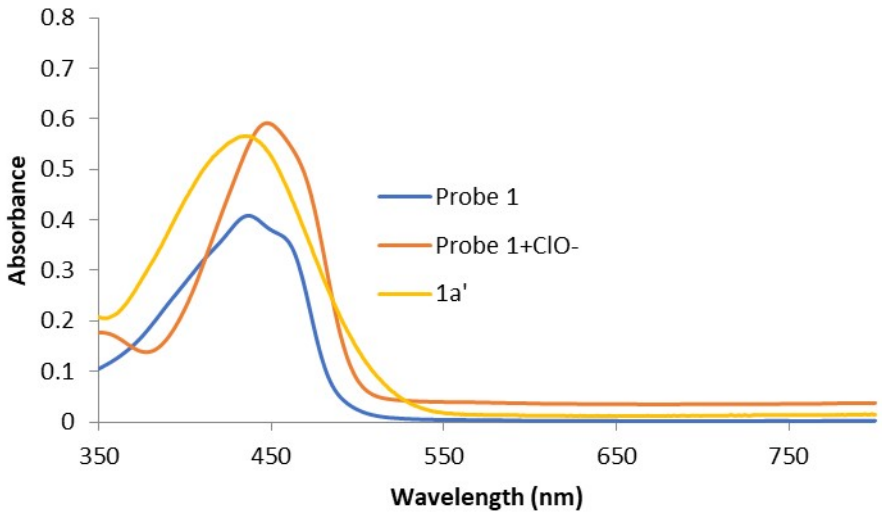

Figure S5: Absorption spectra of probe **1**, probe **1** + ClO^- complex and **1a'**

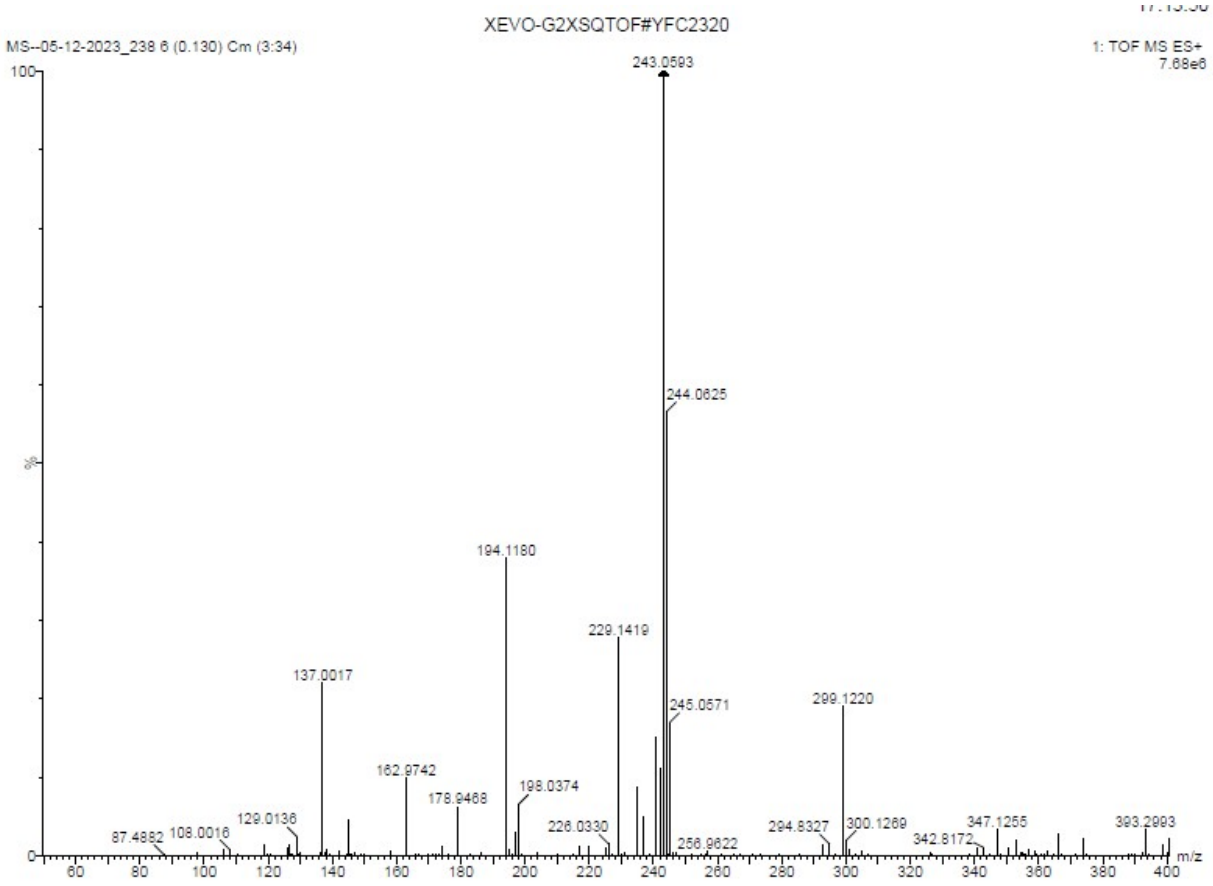

Figure S6: HRMS spectrum of probe **1**+ClO^- complex.