

Supporting Information

“OFF-ON-OFF” Type of Selected pH-Sensing 8-Hydroxyquinoline-Substituted Gallium(III)Corrole

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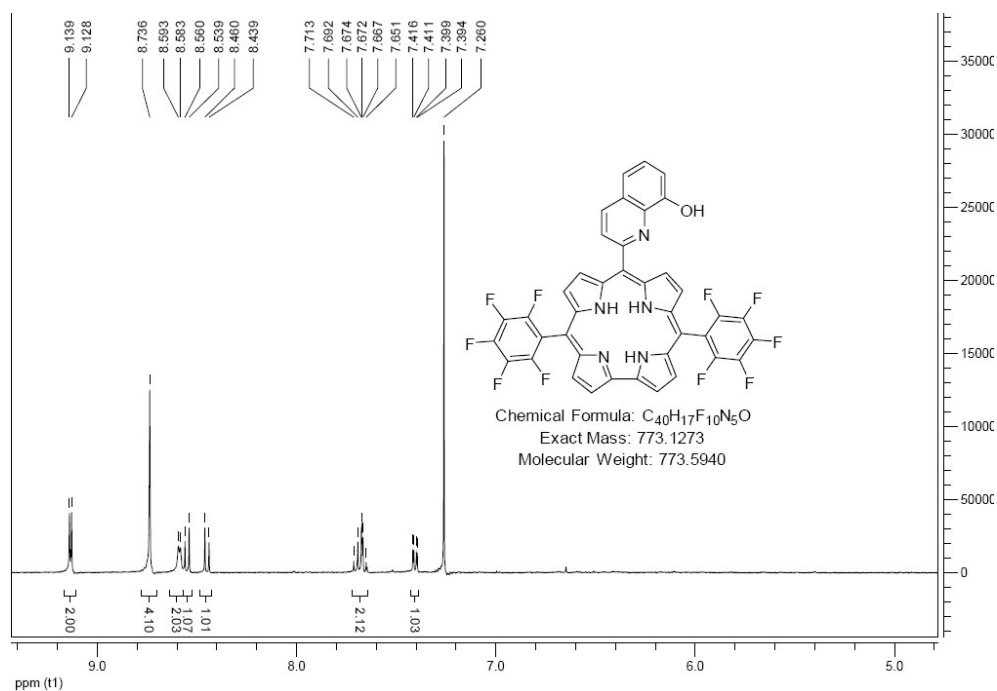


Figure S1. ^1H NMR spectra of **1** in CDCl_3 .

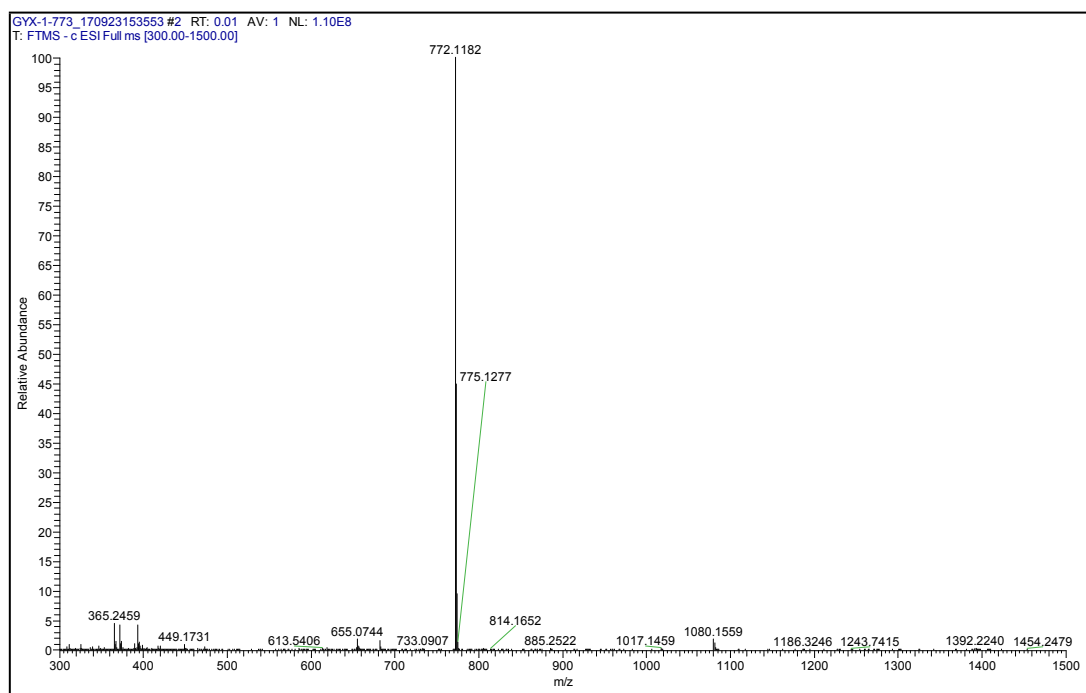


Figure S2. High-resolution ESI-MS of **1**.

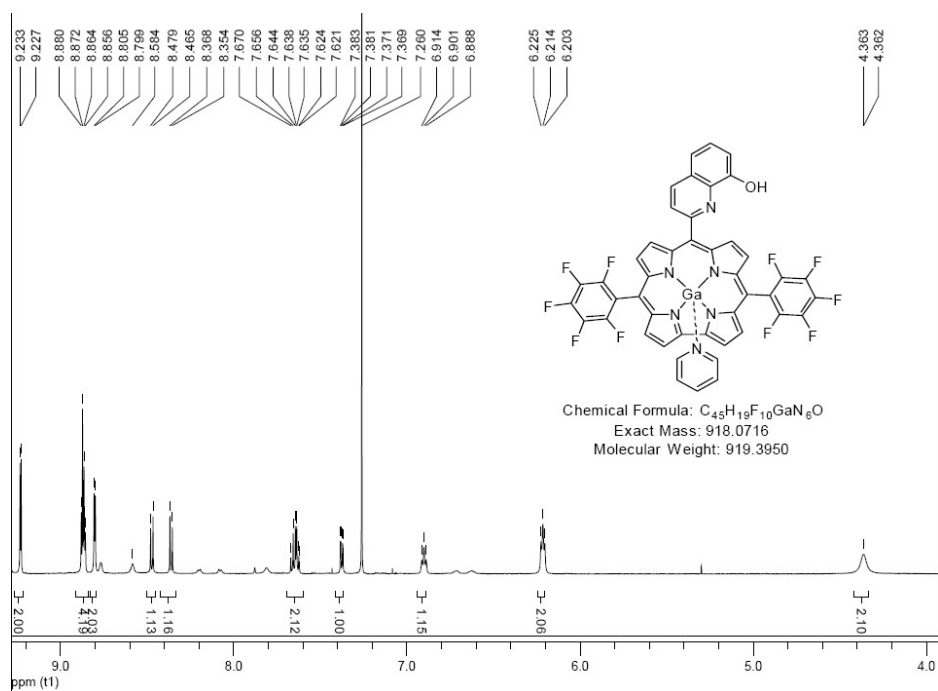


Figure S3. 1H NMR spectra of **1** in $CDCl_3$.

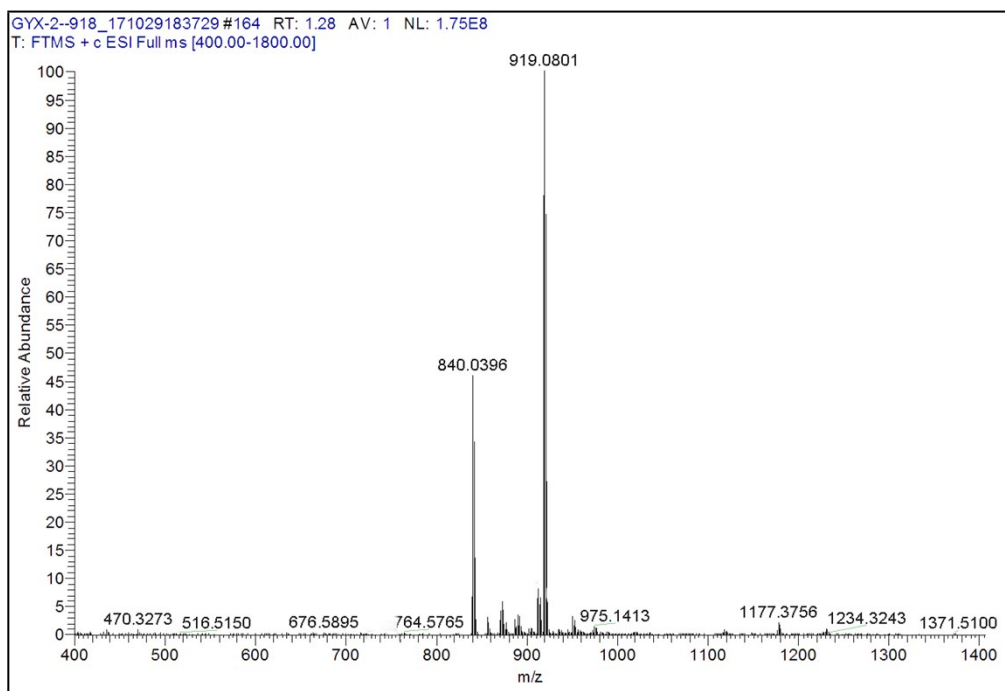


Figure S4. High-resolution ESI-MS of the compound **2**.

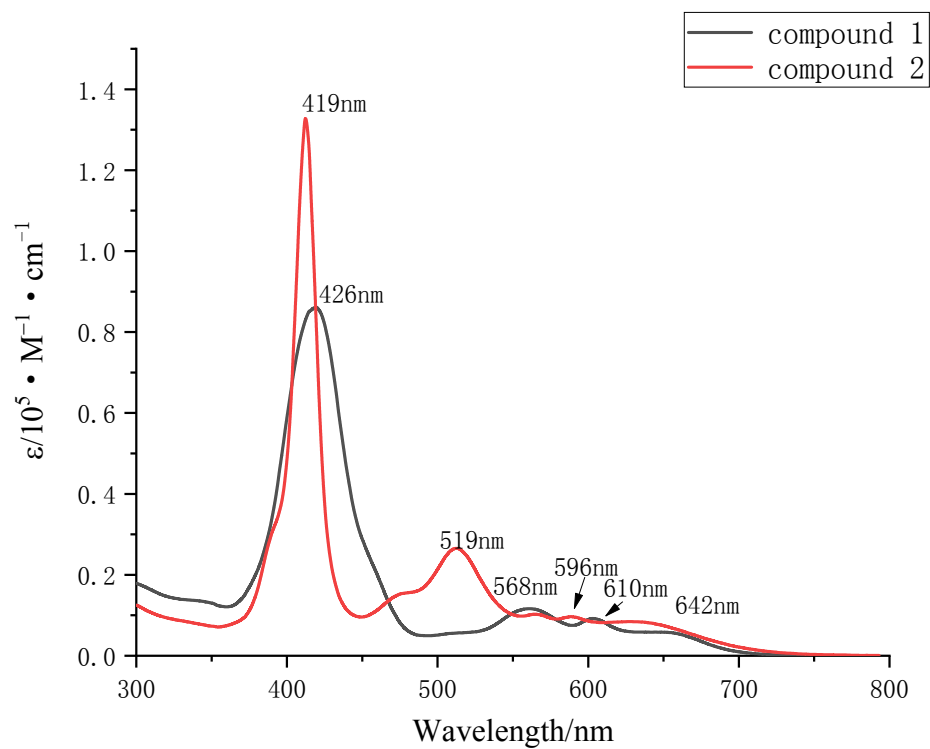


Figure S5. UV-vis absorption spectra of **1** and **2** in CH_2Cl_2 .

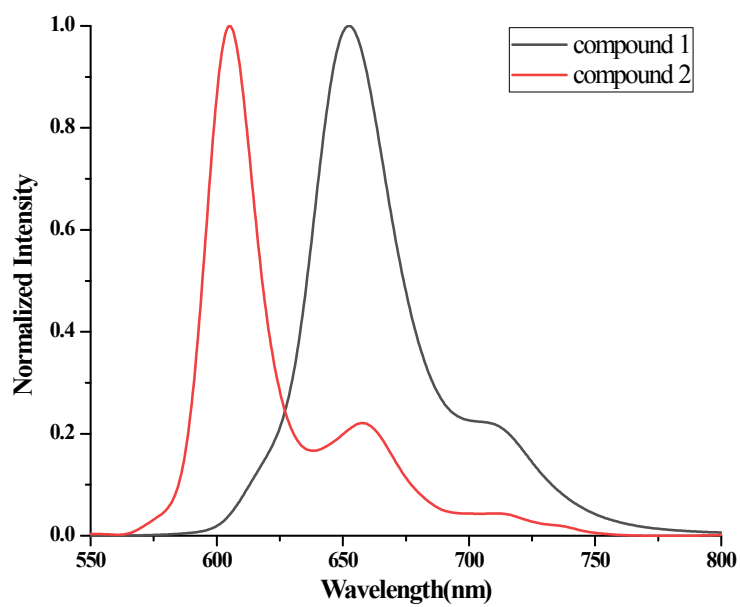


Figure S6. Fluorescence spectra of **1** and **2** in CH_2Cl_2 .

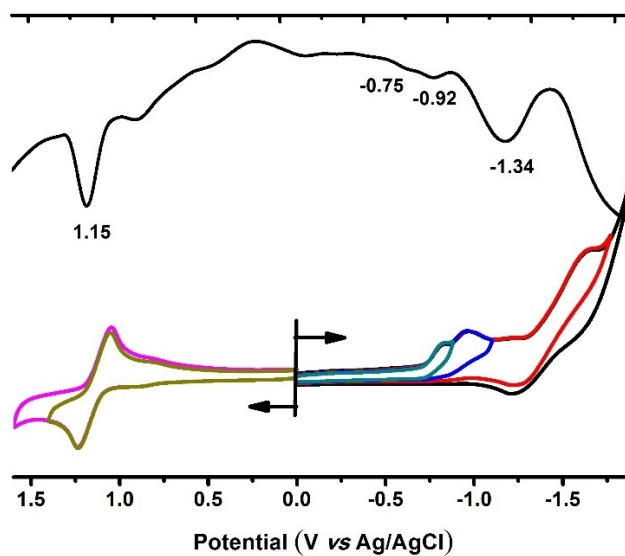


Figure S7. DPV measurement (top) and CV characterization (bottom) at various scan speeds of Ga(III)corrole **2** in o-DCB containing 0.1M TBAP.

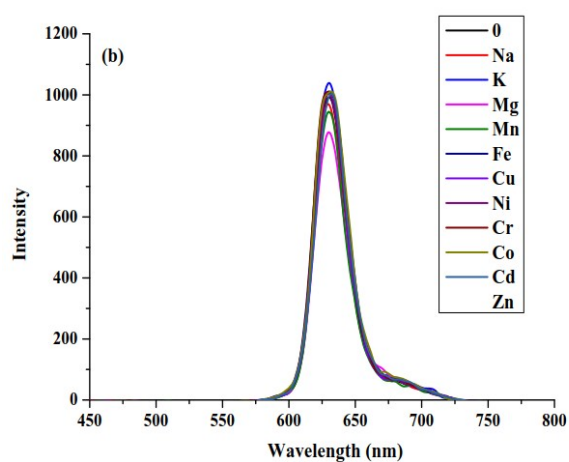


Figure S8. UV-vis absorption spectra of **2** in mixed solvent of H₂O and CH₃CN (v/v = 1:9) upon addition of various metal ions.