

Supporting Information

Photoluminescent Calcium Imidazolium Carboxylates with Diversified Calcium Coordination Geometry and Thermal Stability

Paladugu Suresh, Chatla Naga Babu, Natarajan Sampath and Ganesan Prabusankar*

Figure S1. FT-IR (neat) spectrum of compound **1**.

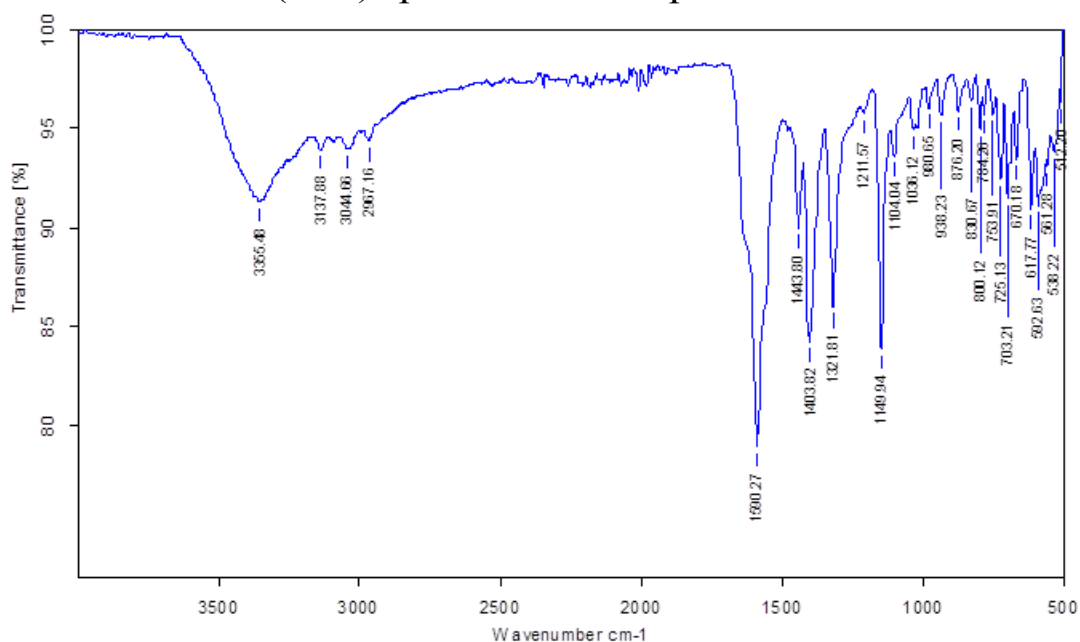


Figure S2. ^1H NMR spectrum of compound **1** in D_2O at RT.

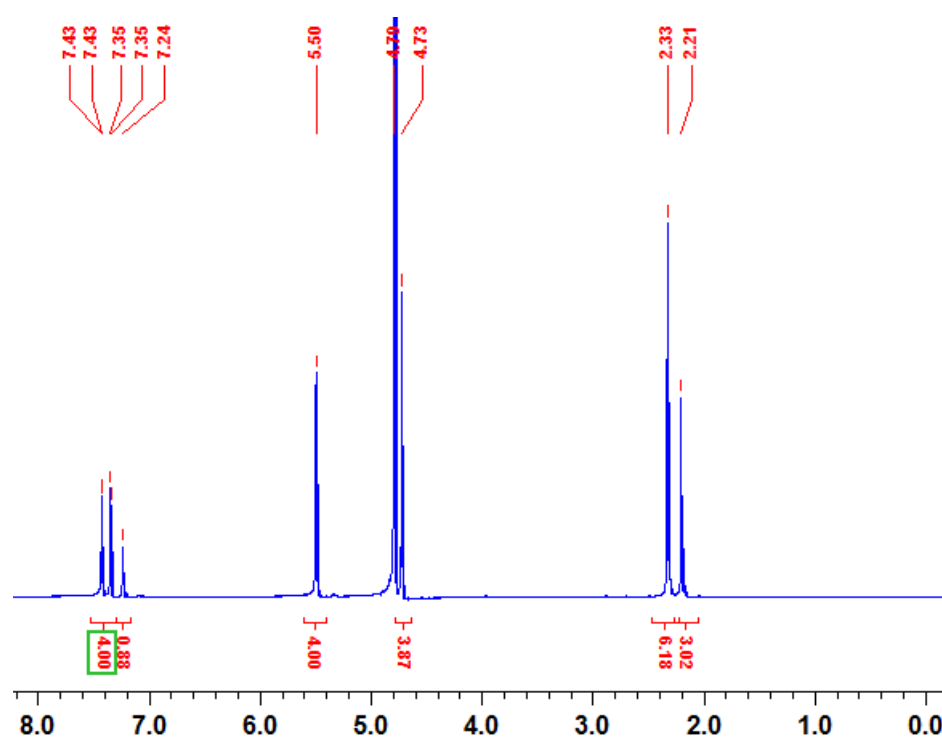


Figure S3. ^{13}C NMR spectrum of compound **1** in D_2O at RT.

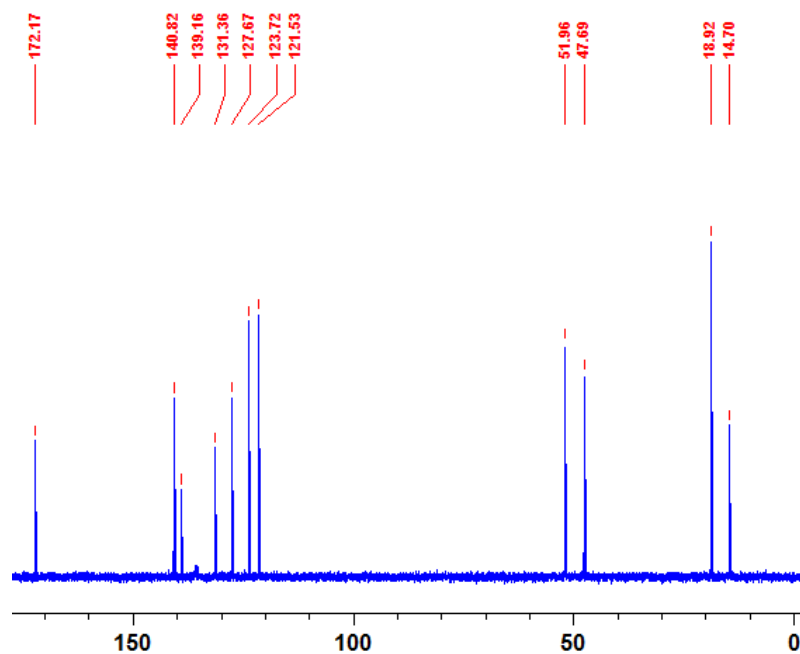


Figure S4. FT-IR (neat) spectrum of compound **2**.

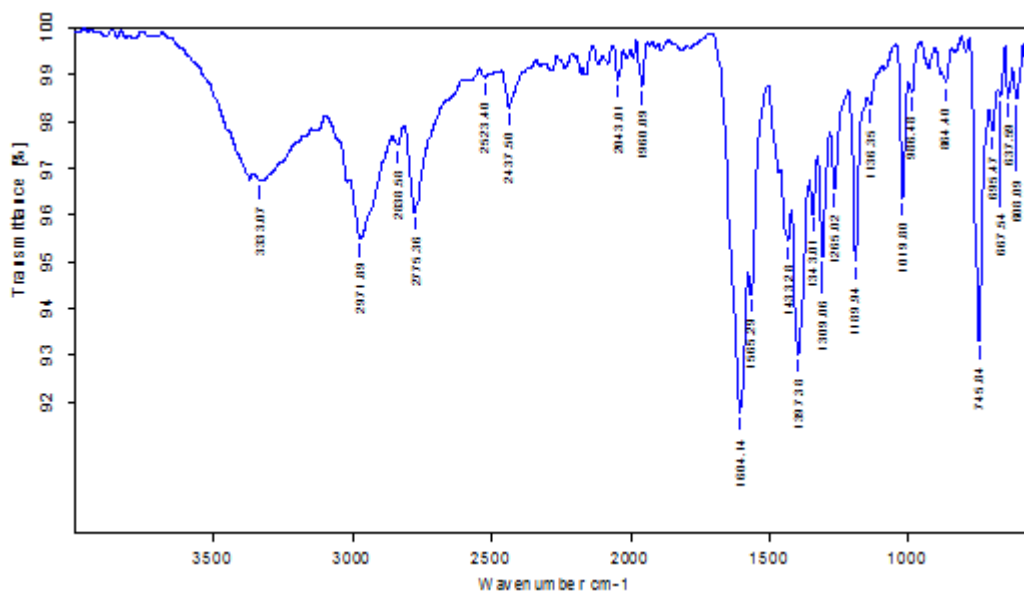


Figure S5. ¹H NMR spectrum of compound **2** in D₂O at RT.

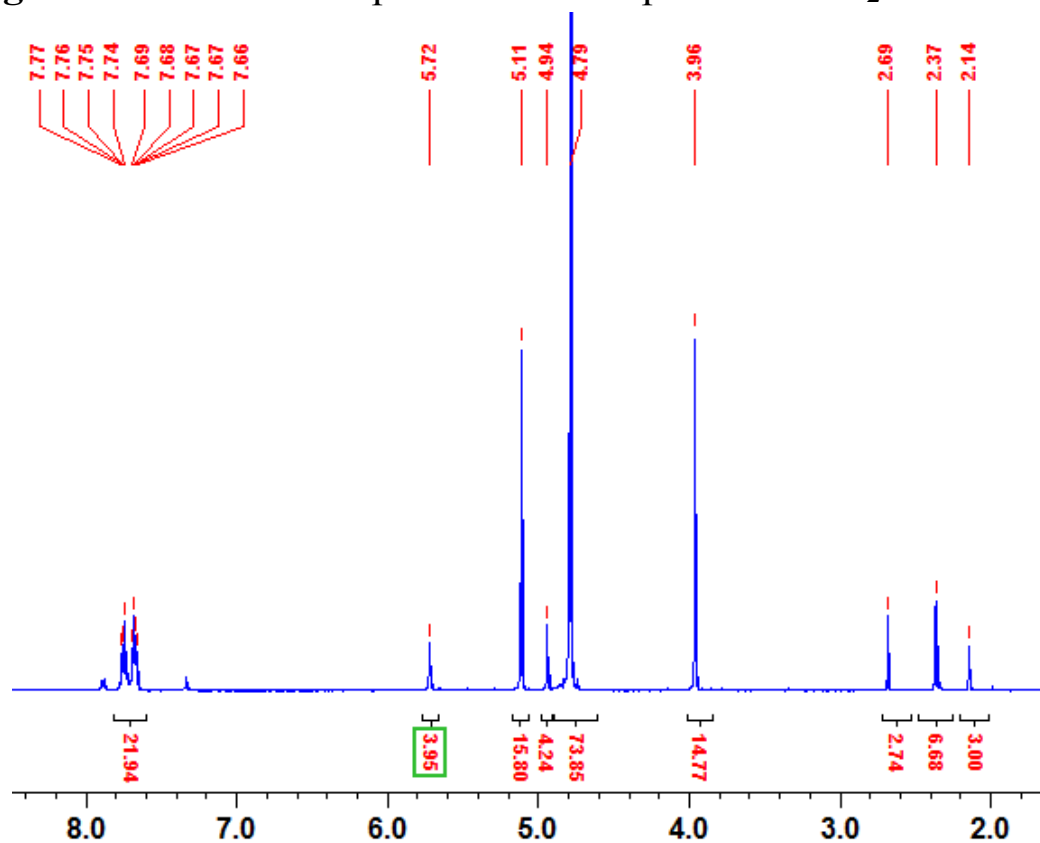


Figure S6. ^{13}C NMR spectrum of compound **2** in D_2O at RT.

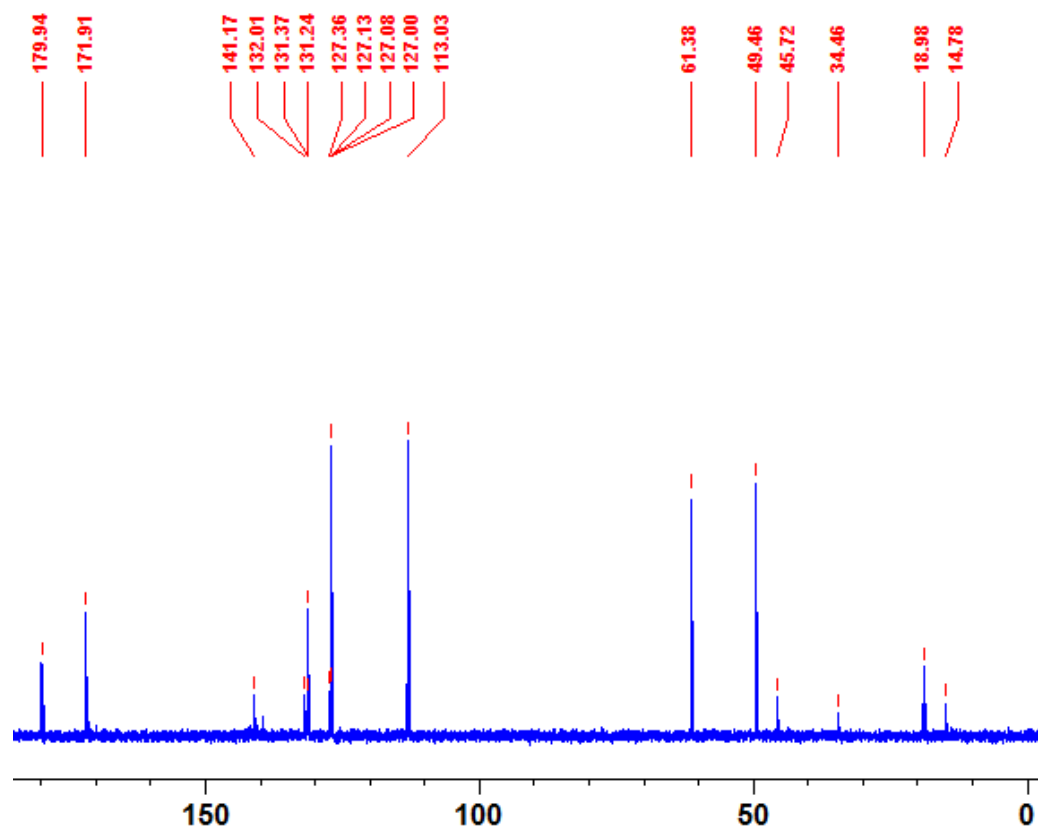


Figure S7. FT-IR (neat) spectrum of compound **3**.

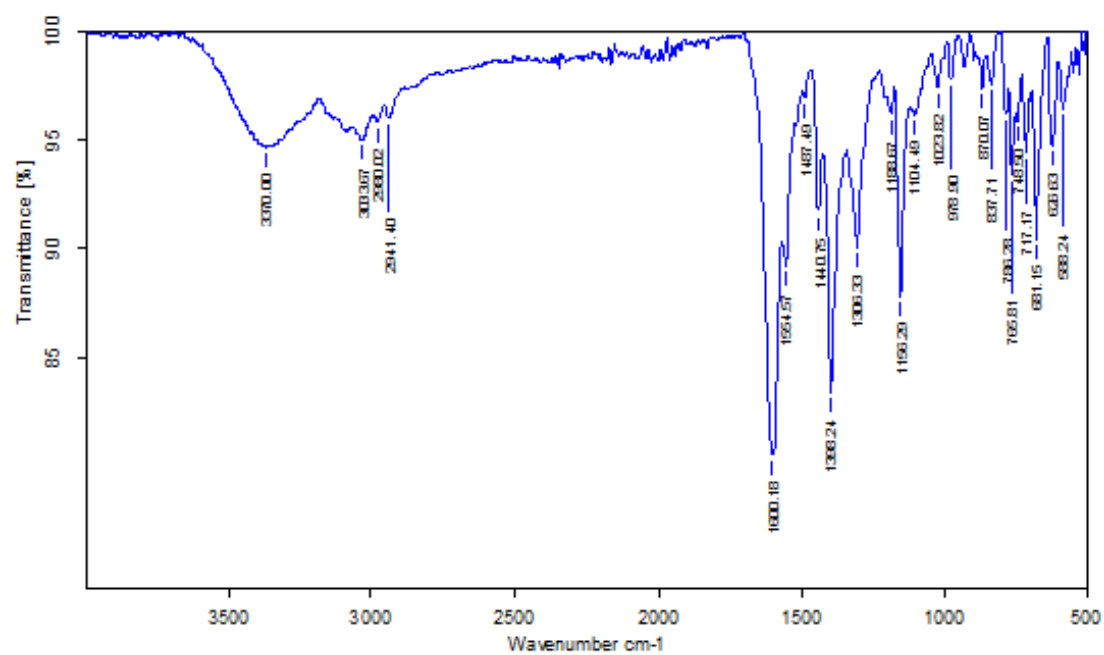


Figure S8. ^1H NMR spectrum of compound **3** in D_2O at RT.

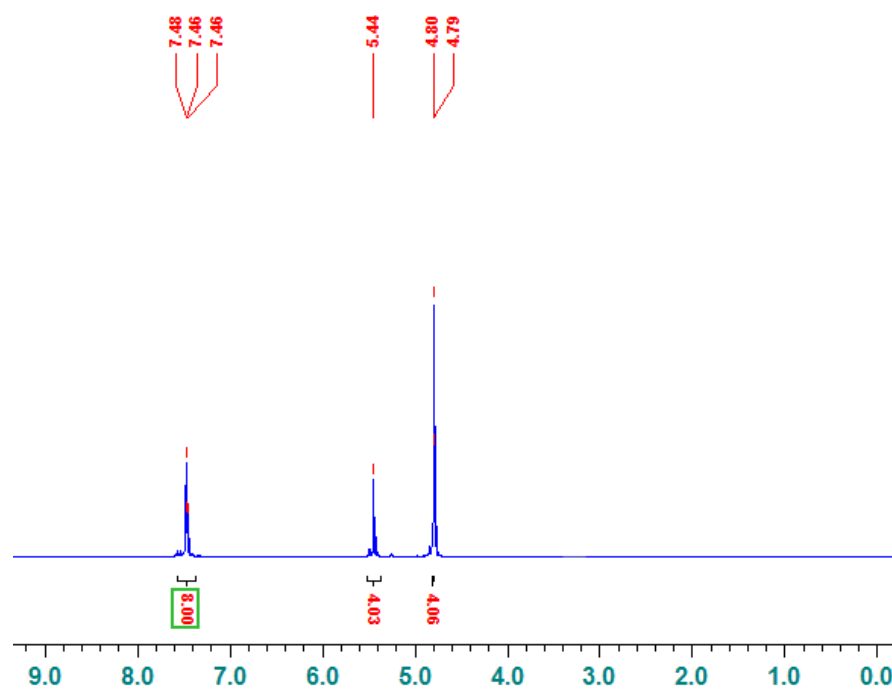


Figure S9. ^{13}C NMR spectrum of compound **3** in D_2O at RT.

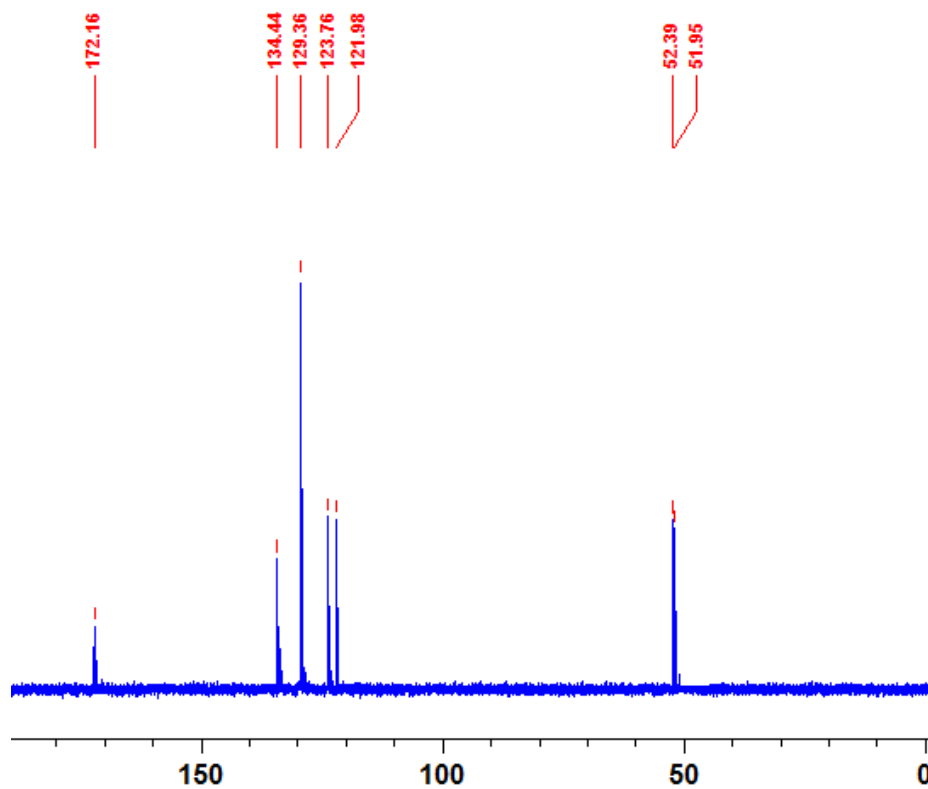


Figure S10. FT-IR (neat) spectrum of compound **4**.

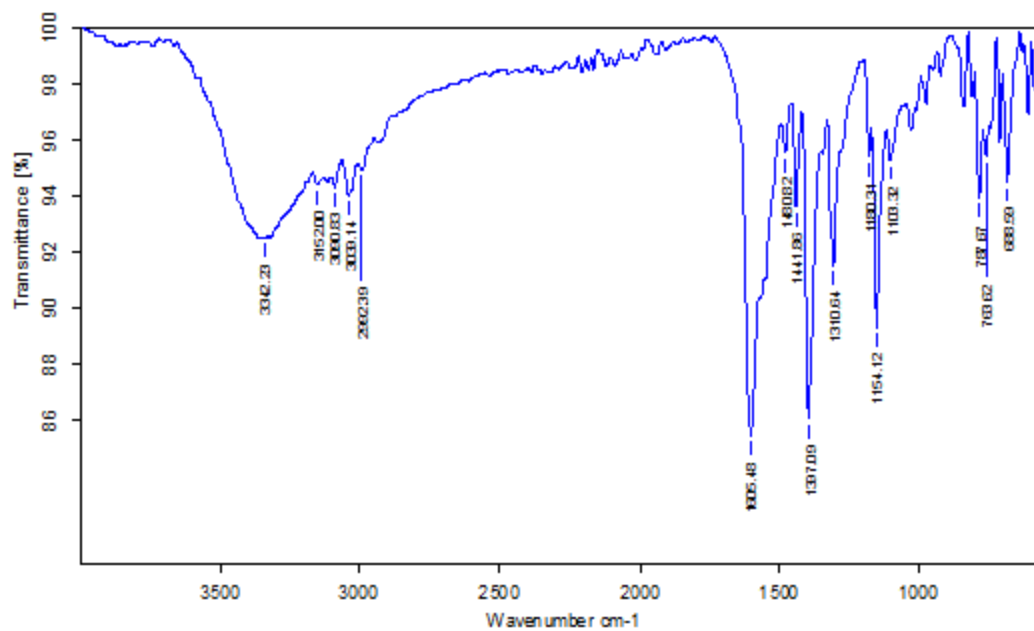


Figure S11. ¹H NMR spectrum of compound **4** in D₂O at RT.

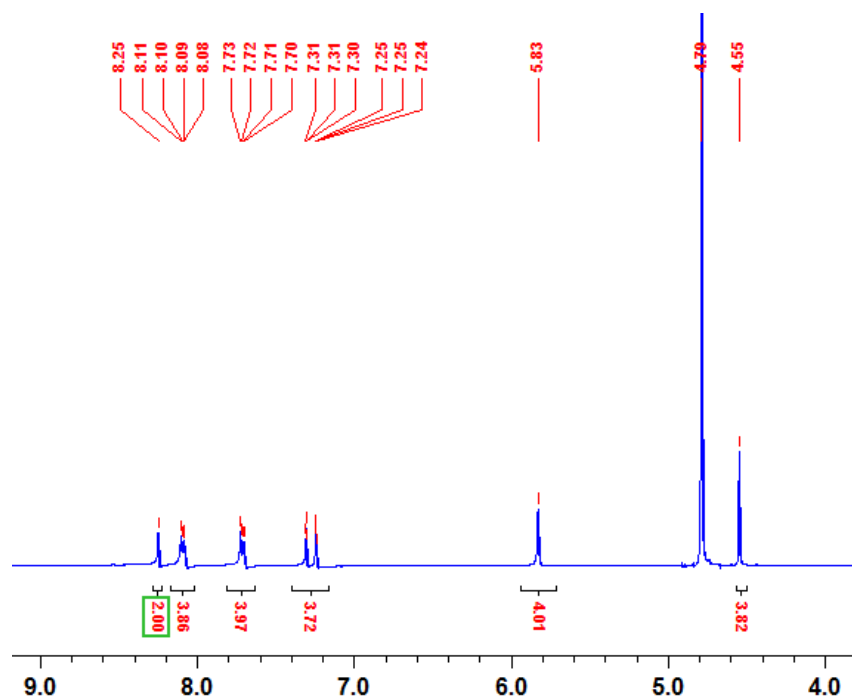


Figure S12. ^{13}C NMR spectrum of compound **4** in D_2O at RT.

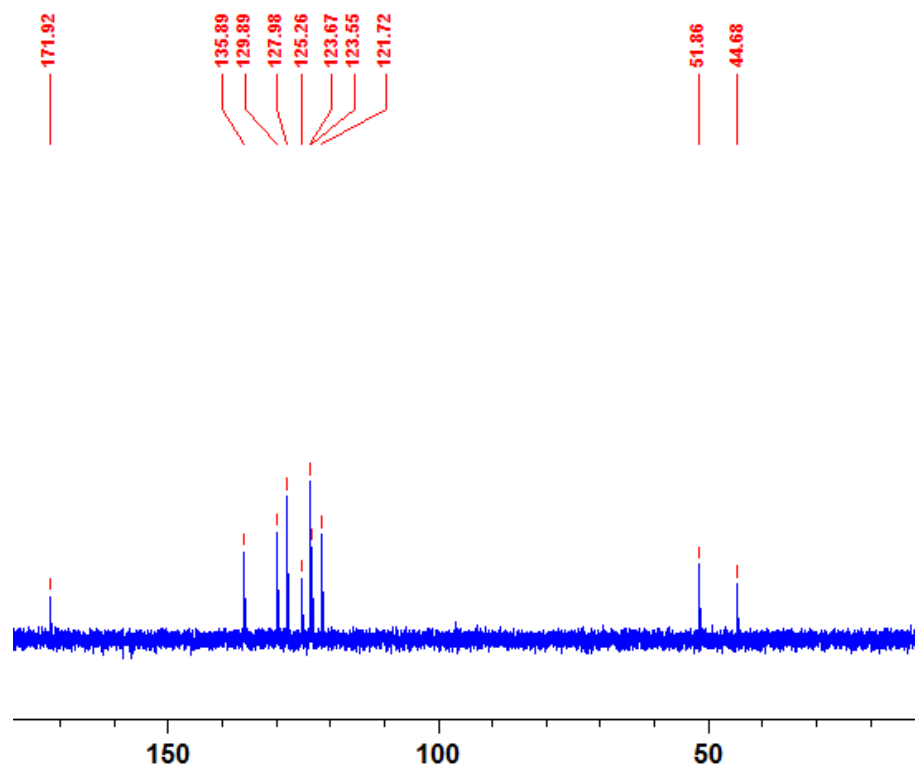


Figure S13. FT-IR (neat) spectrum of compound **5**.

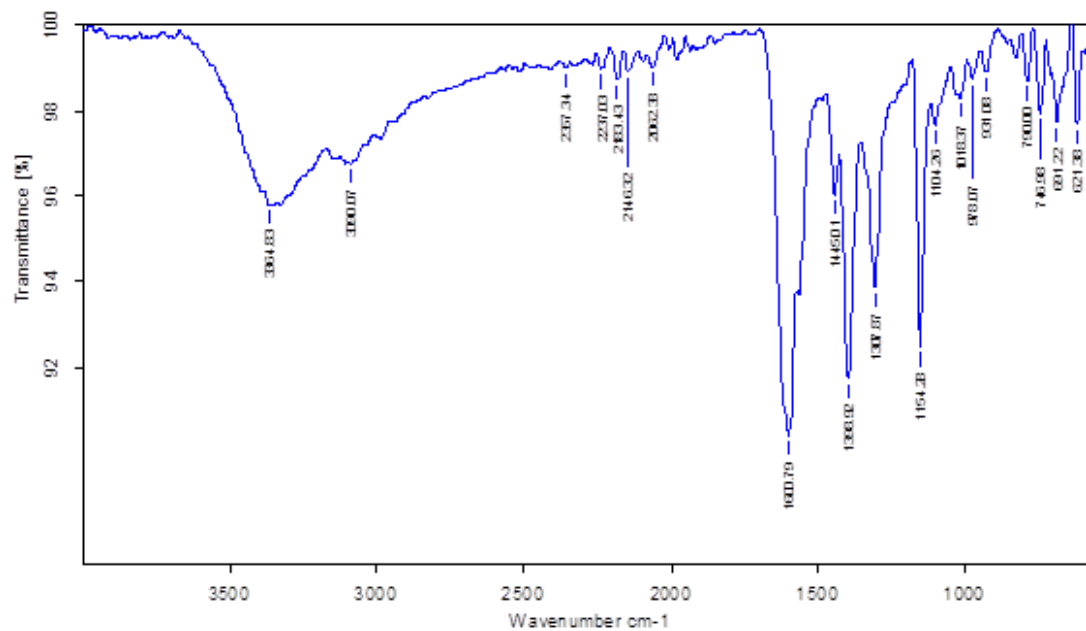


Figure S14. ^1H NMR spectrum of compound **5** in D_2O at RT.

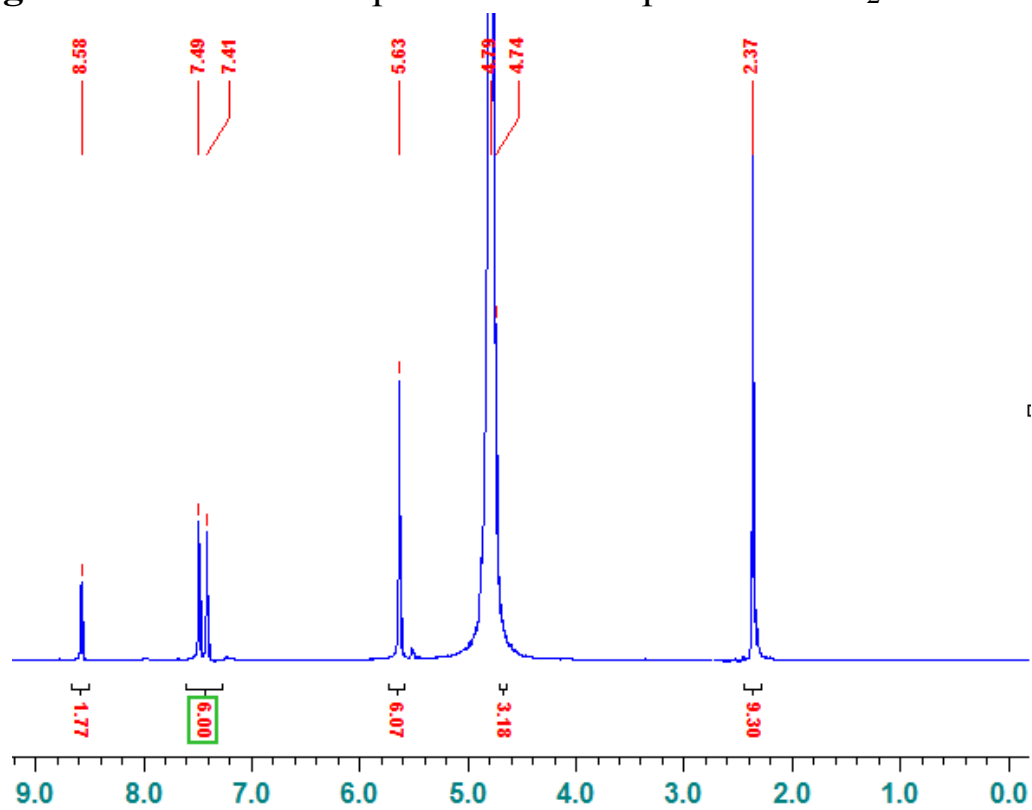


Figure S15. ^{13}C NMR spectrum of compound **5** in D_2O at RT.

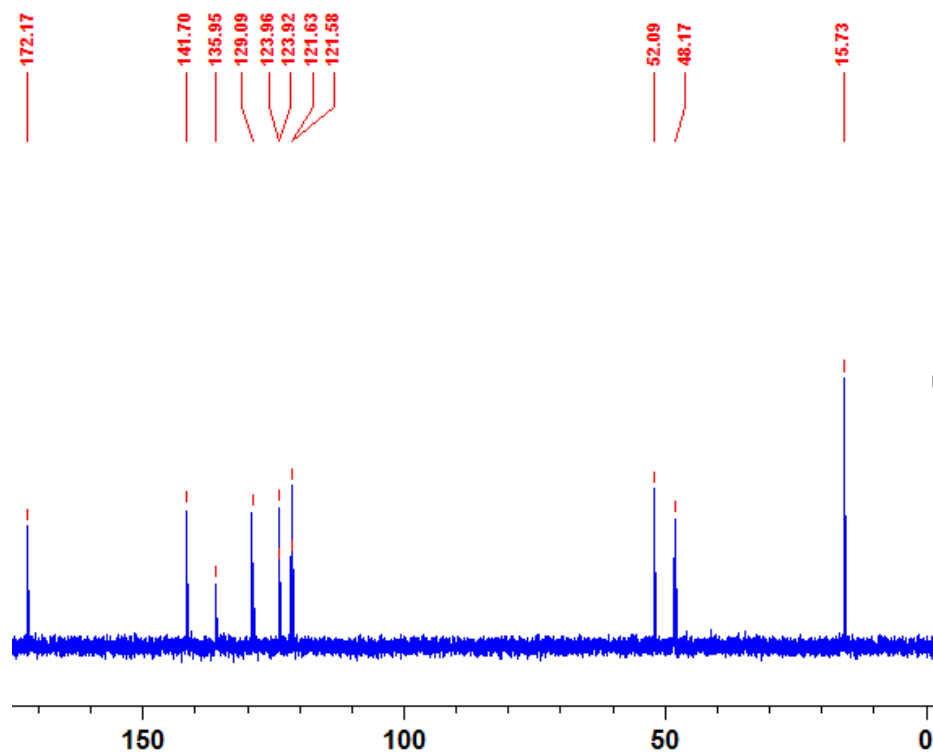


Figure S16. FT-IR (neat) spectrum of compound **6**.

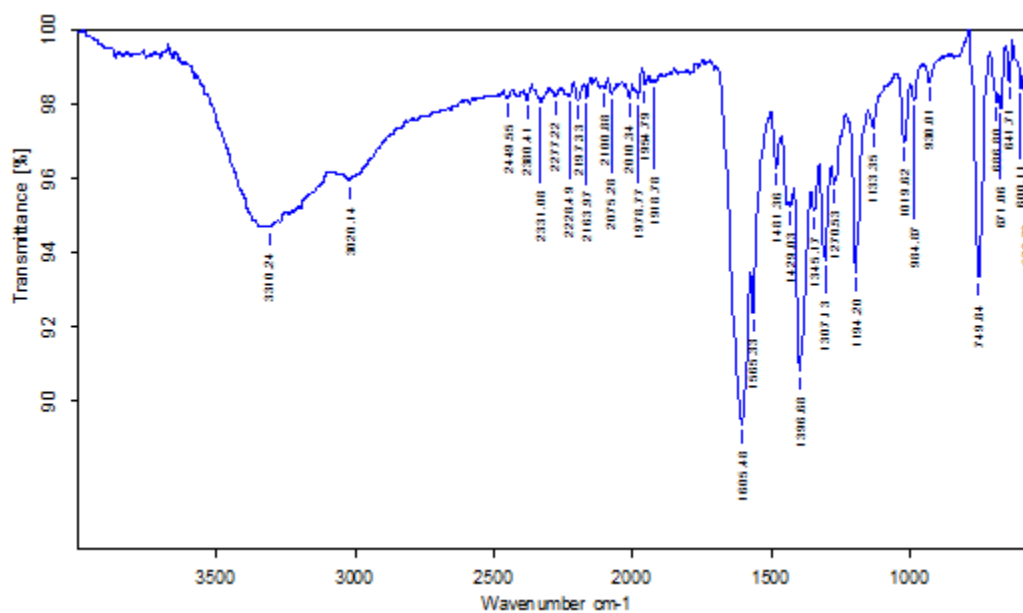


Figure S17. ¹H NMR spectrum of compound **6** in D₂O at RT.

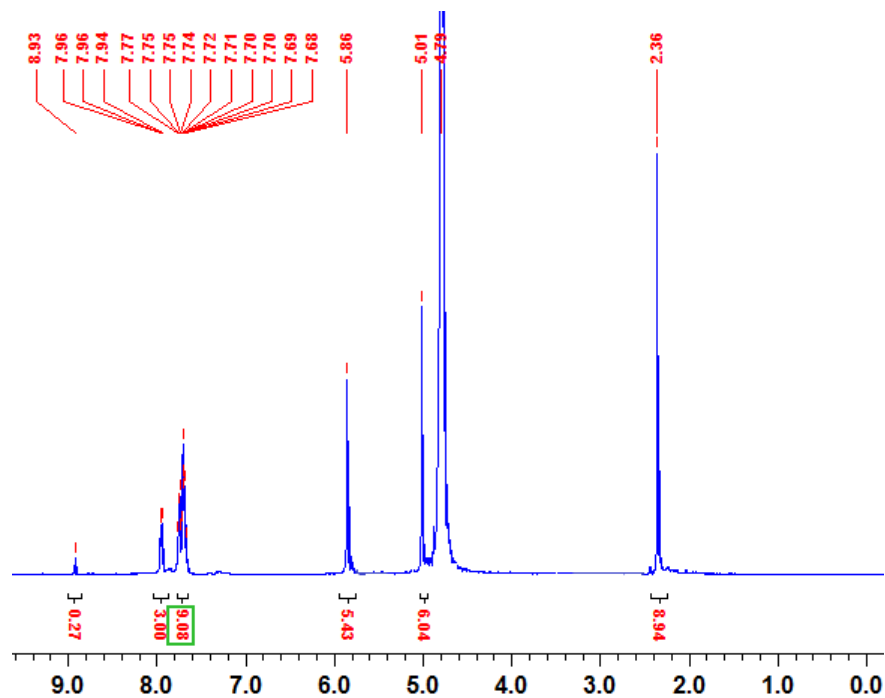


Figure S18. ^{13}C NMR spectrum of compound **6** in D_2O at RT.

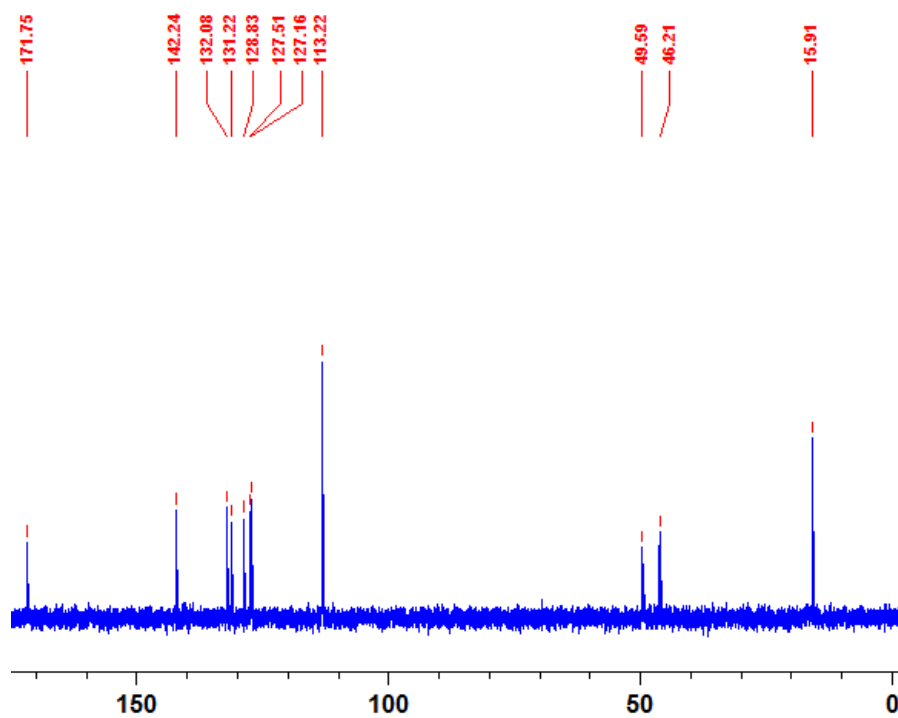


Figure S19. The solid-state UV-vis absorption spectra of **1-6** at RT on BaSO₄ (after baseline correction).

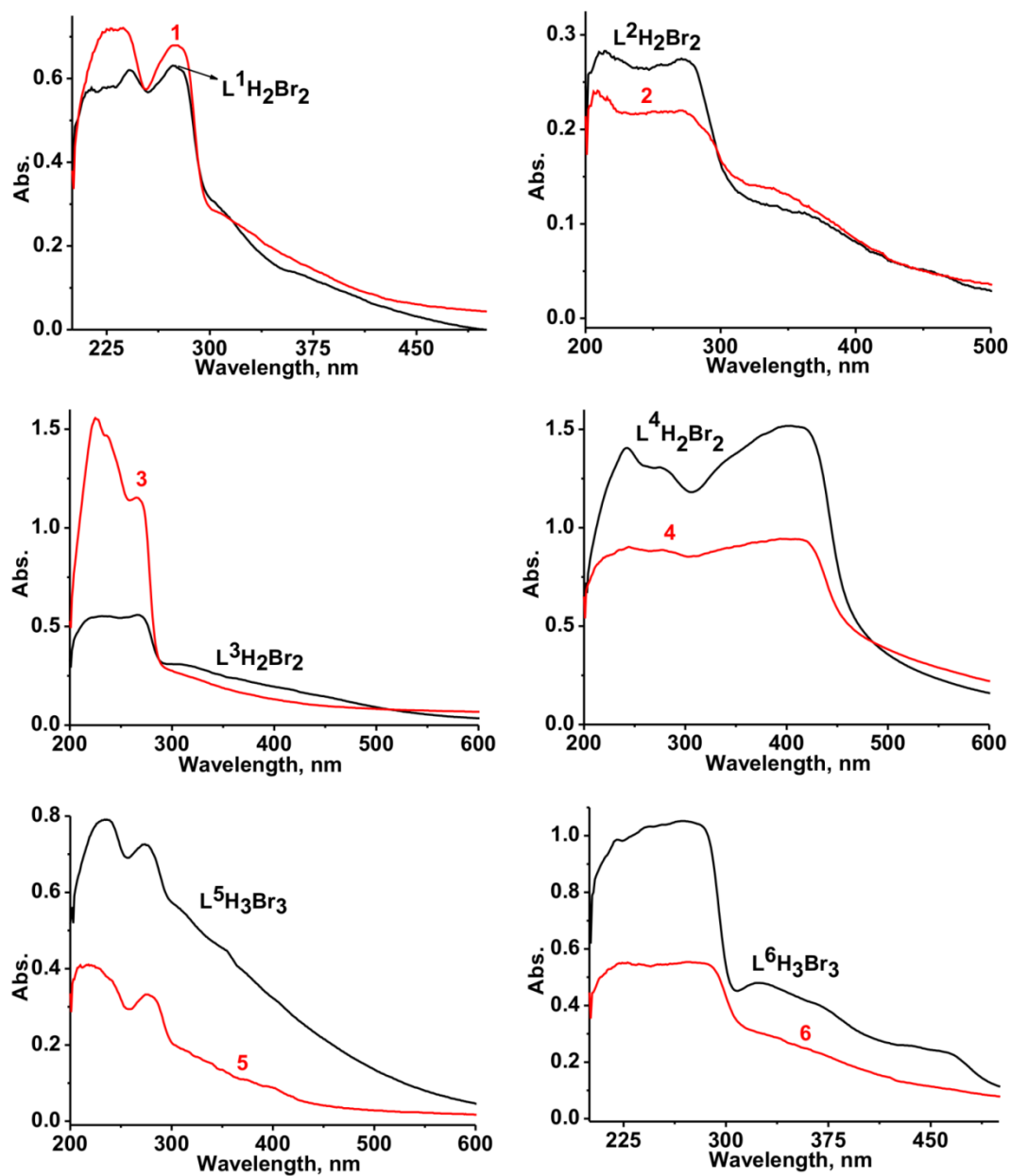


Figure S20. The solution-state UV-vis absorption spectra of **1-6** in water (Ultrapure water with resistivity 18.2 M cm, obtained through the Millipore Direct-Q 3 UV system) at RT (6.4×10^{-6} M).

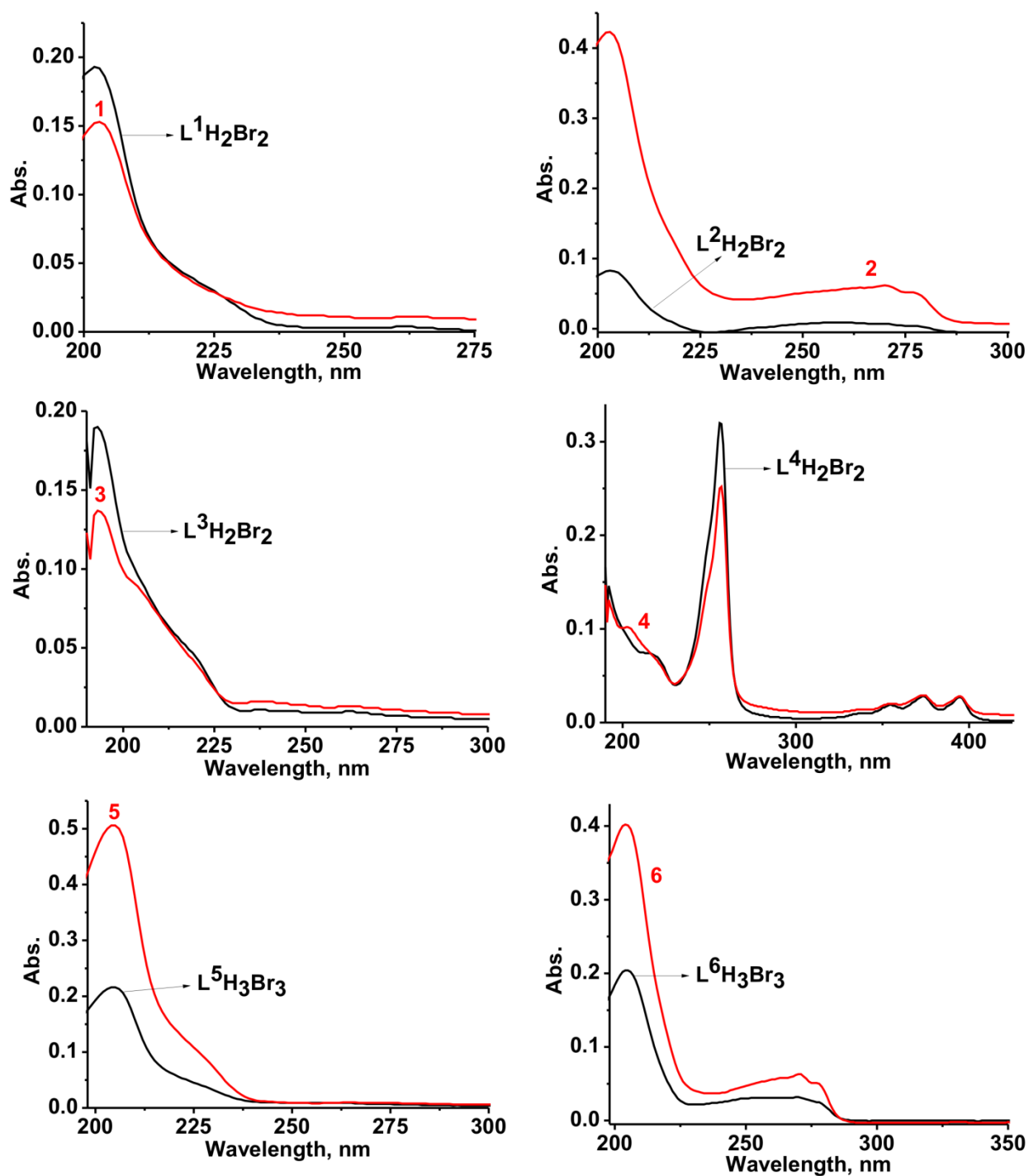


Figure S21. The solution-state fluorescent spectra of **1-6** in water (Ultrapure water with resistivity 18.2 M cm, obtained through the Millipore Direct-Q 3 UV system) at RT (6.4×10^{-6} M; excitation wavelength, 370 nm).

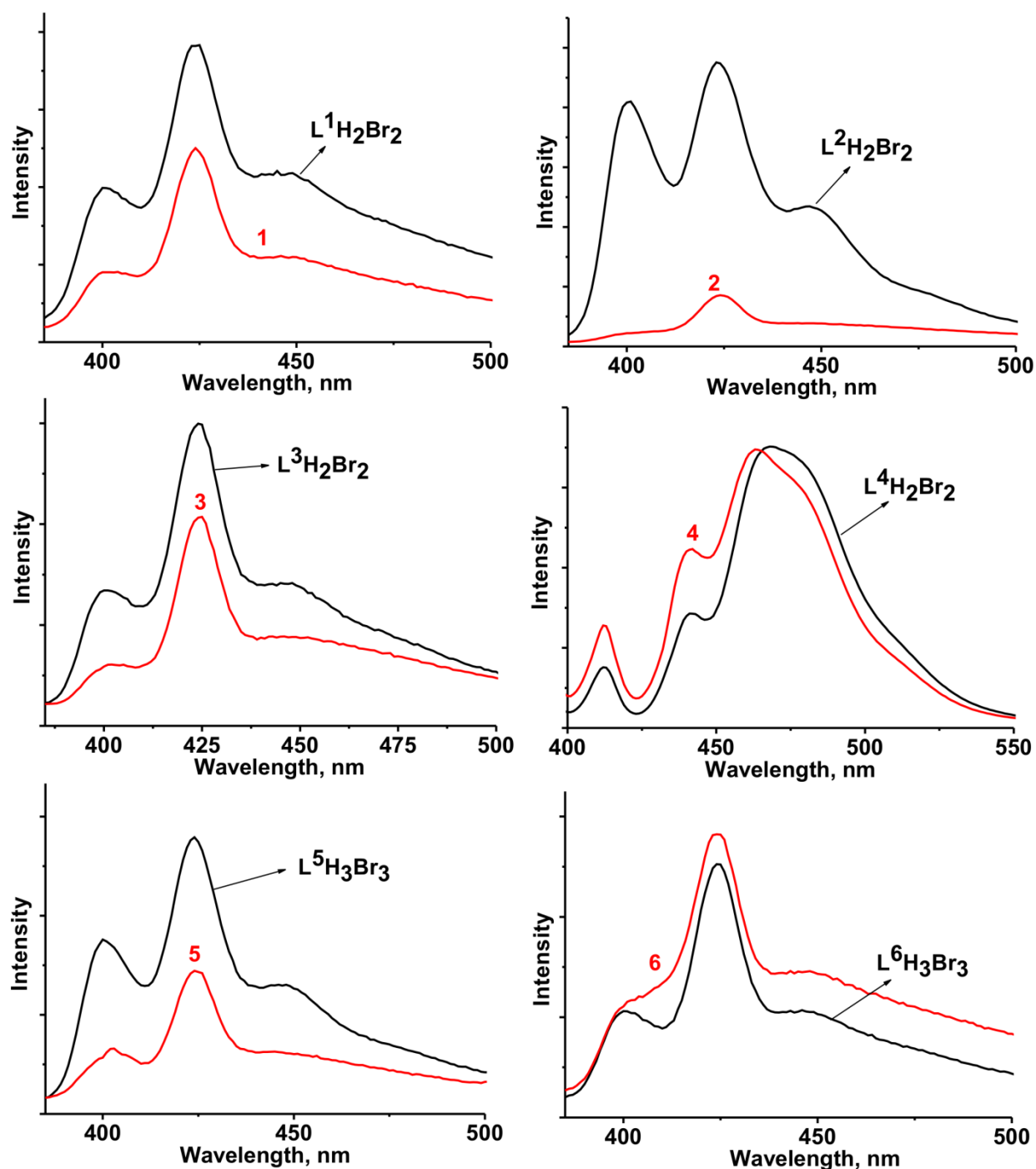


Figure S22. The solution-state fluorescent spectra of **1-6** in water (Ultrapure water with resistivity 18.2 M cm, obtained through the Millipore Direct-Q 3 UV system) at RT (6.4×10^{-6} M; excitation wavelength, 300 nm).

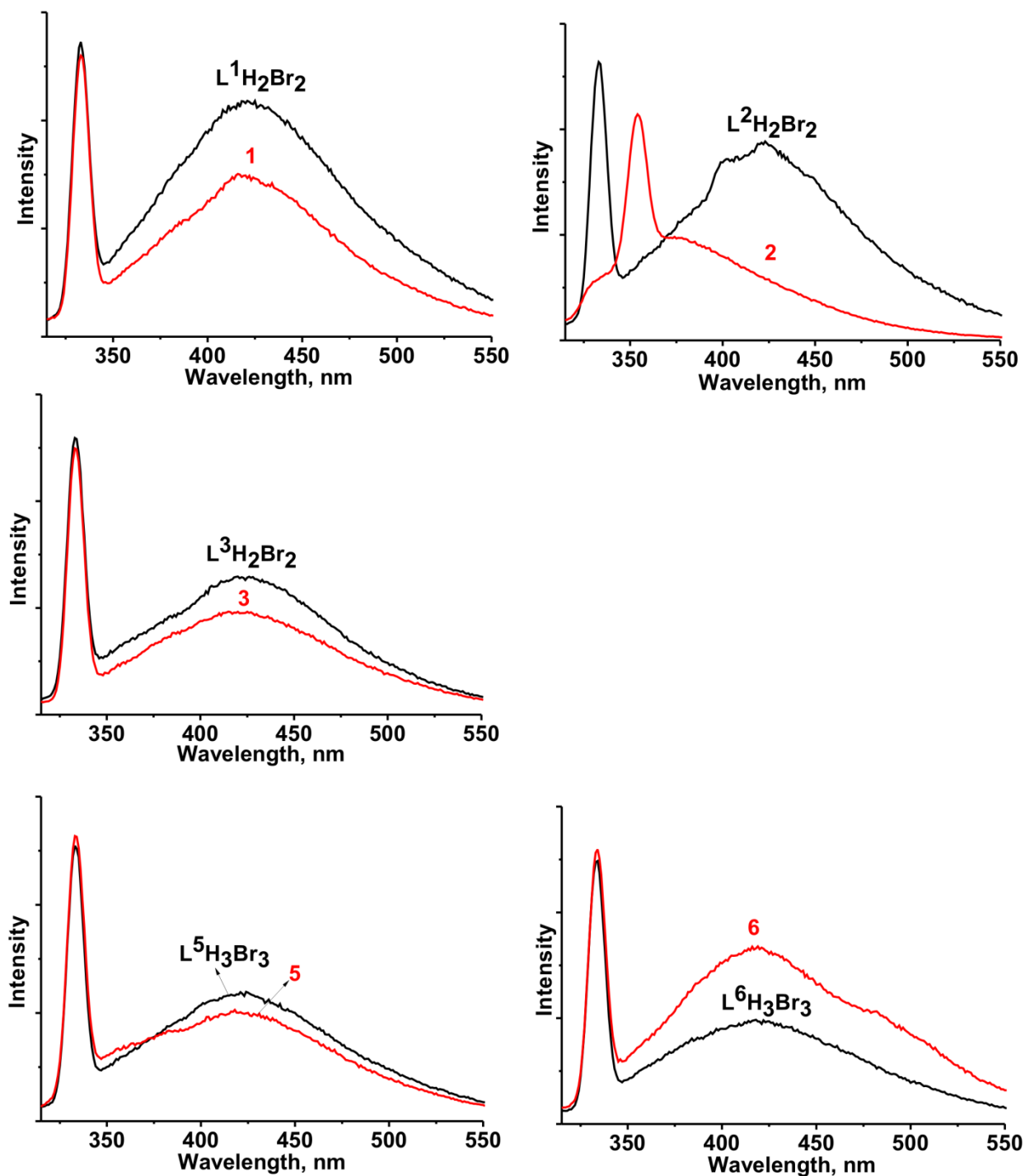


Figure S23. The solution-state fluorescent spectra of **1-6** in water (Ultrapure water with resistivity 18.2 M cm, obtained through the Millipore Direct-Q 3 UV system) at RT (6.4×10^{-6} M; excitation wavelength, 256 nm).

