Supporting information

Novel two-photon absorption compounds with different organic cations: Facile synthesis, photophysical properties, detection of viscosity, and selective imaging of the endoplasmic reticulum in living cells

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1. ^{1}H NMR spectra

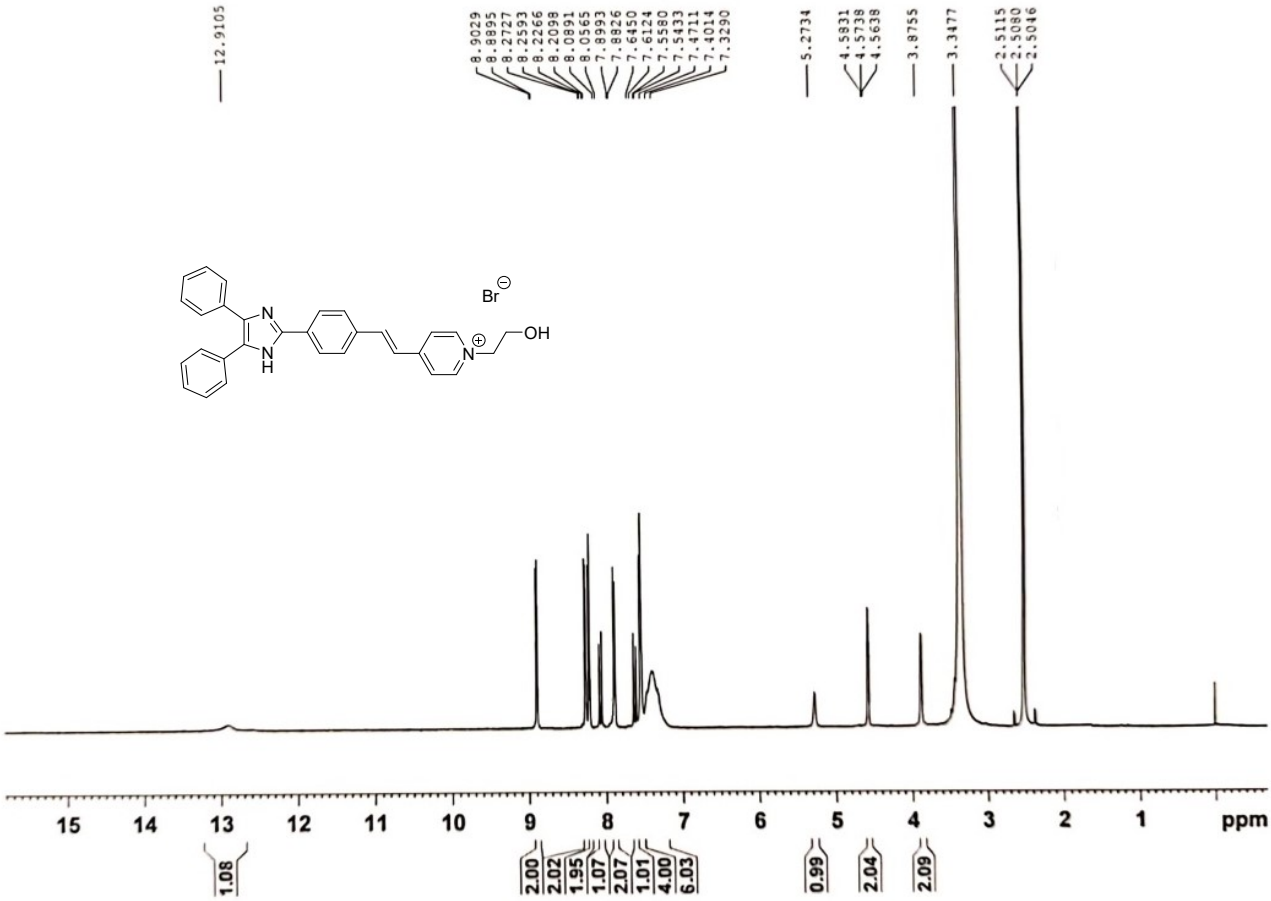

Figure S1. ^{1}H NMR spectrum of **1PIPy** in DMSO-d_6.

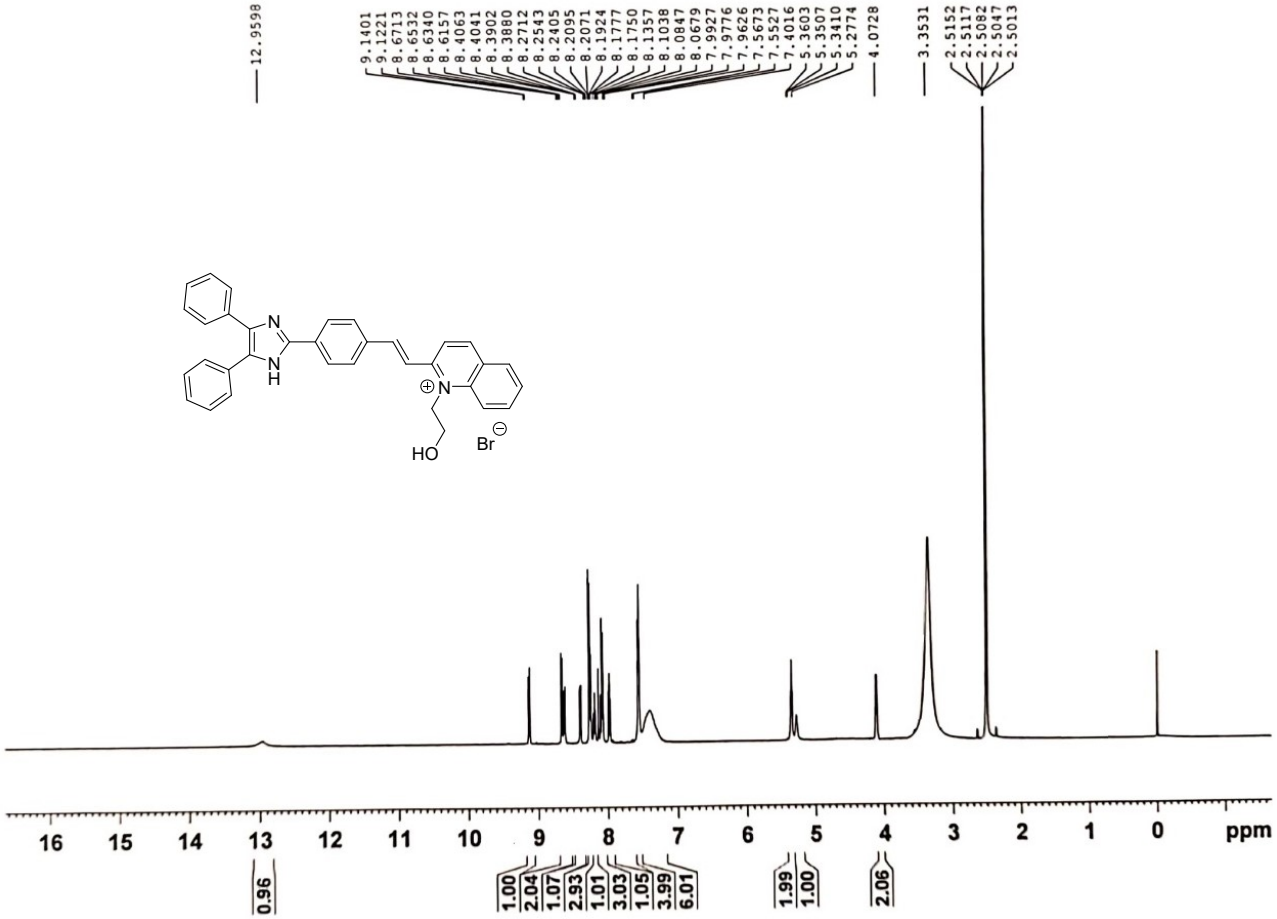

Figure S2. ^{1}H NMR spectrum of **2PIQu** in DMSO-d_6.

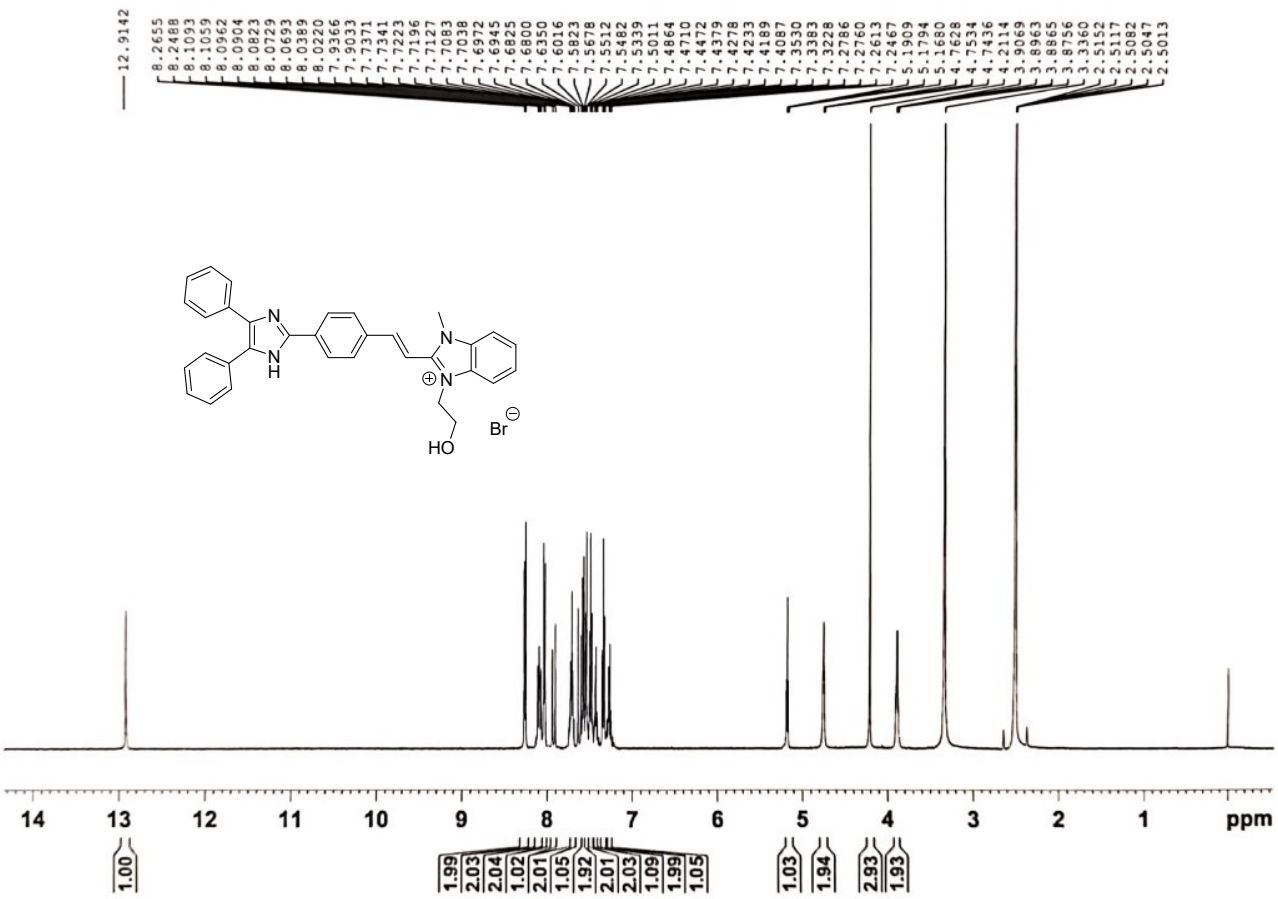

Figure S3. ^{1}H NMR spectrum of **3PIIm** in DMSO-d_6.

2. ^{13}C NMR spectra

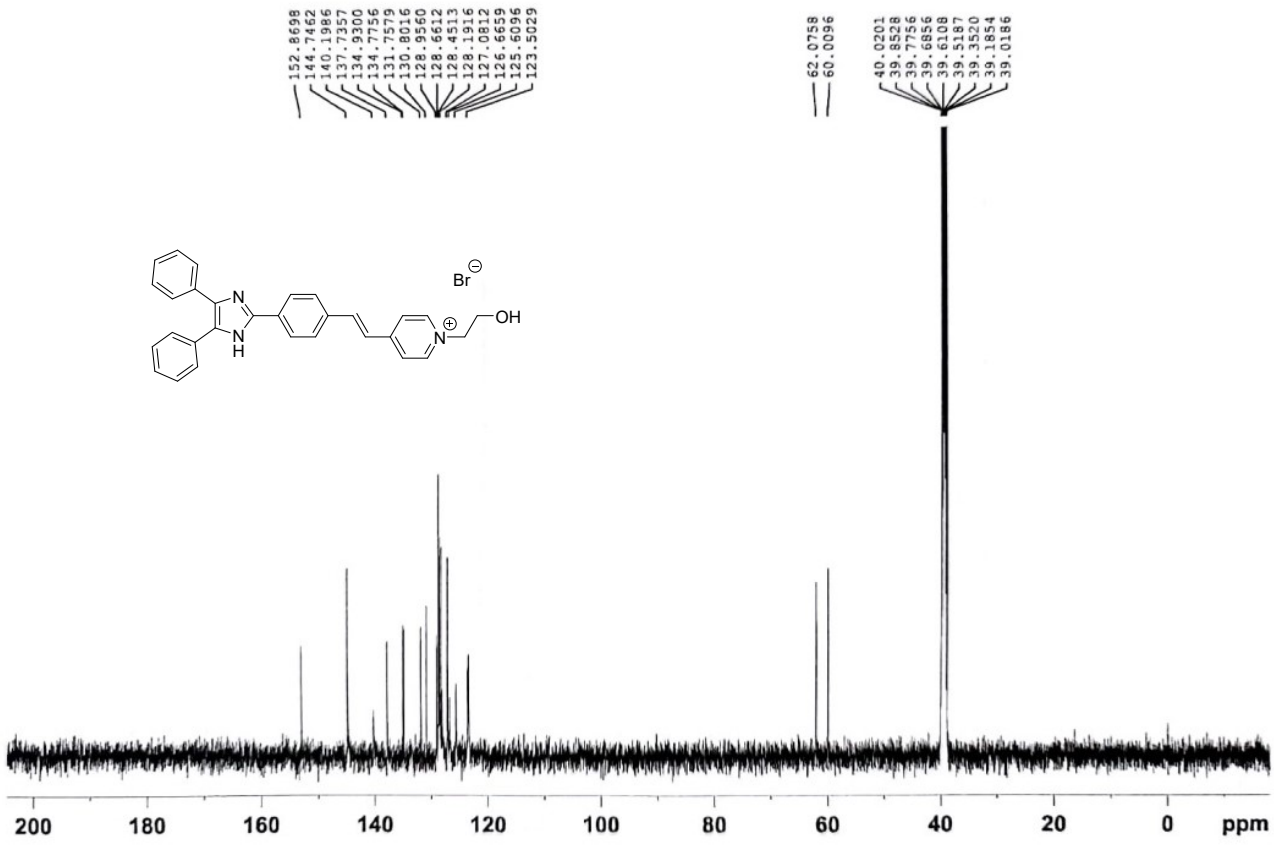

Figure S4. ^{13}C NMR spectrum of **1PIPy** in DMSO-d_6.

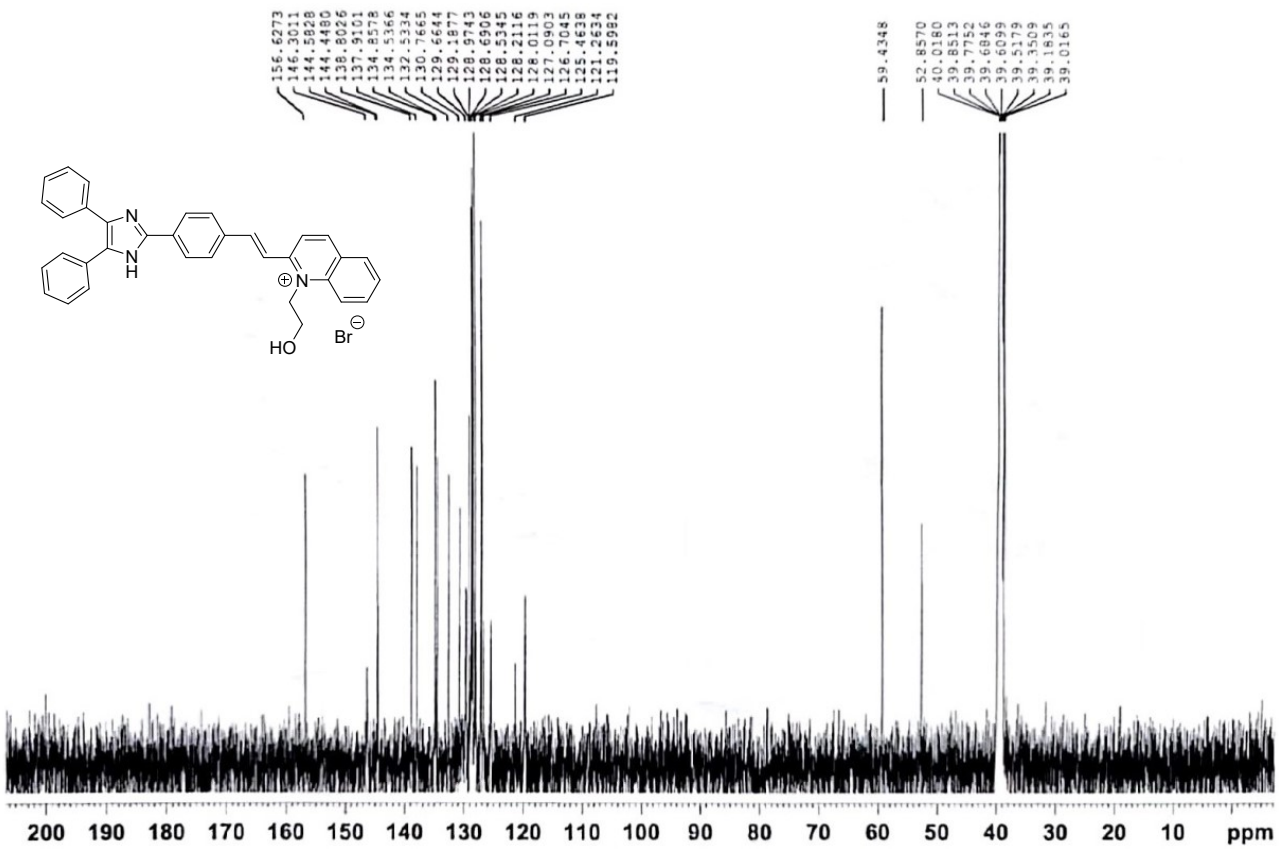

Figure S5. ^{13}C NMR spectrum of **2PIQu** in DMSO-d_6.

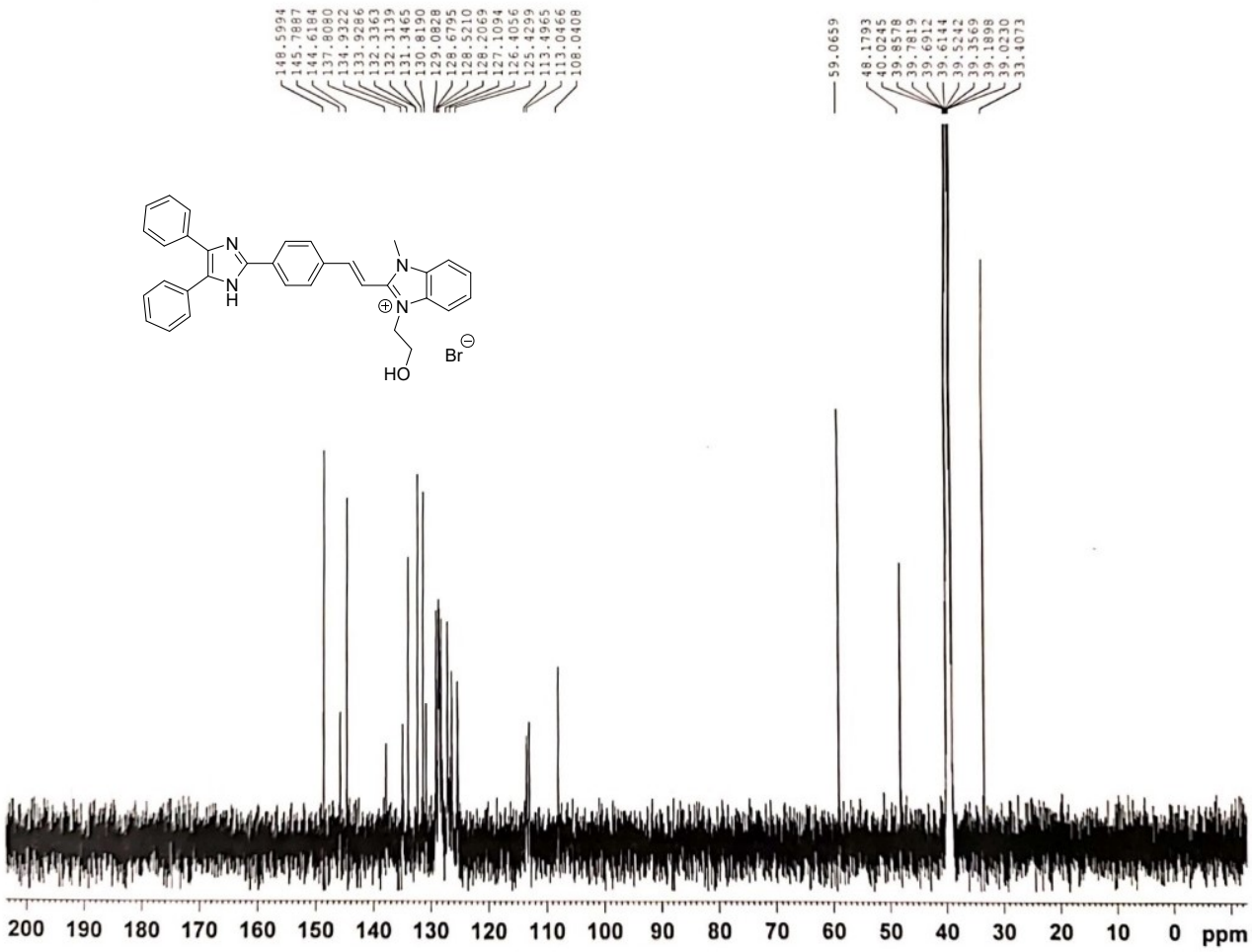

Figure S6. ^{13}C NMR spectrum of **3PIIm** in DMSO-d_6.

3. **HRMS spectra**

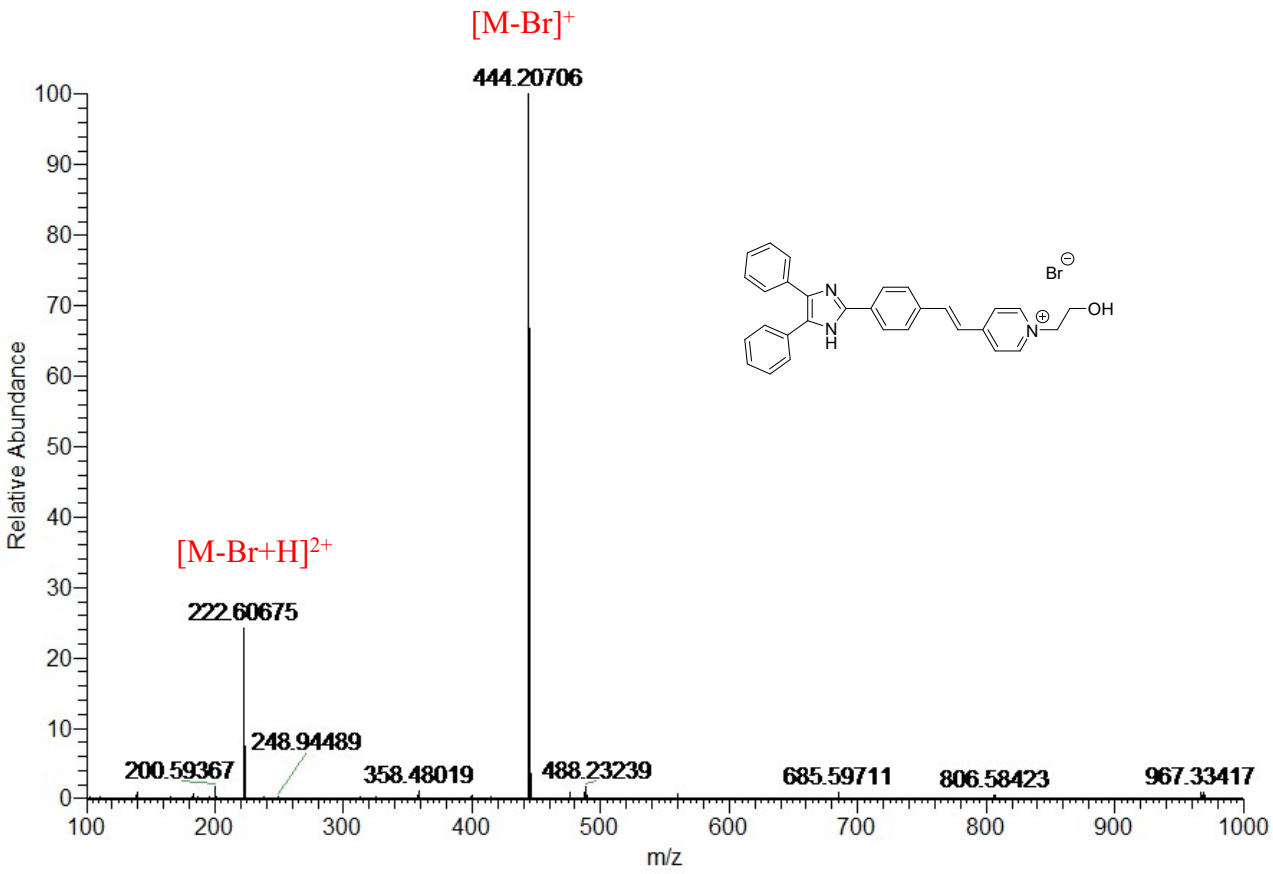

Figure S7. HRMS spectrum of **1PIPy**.

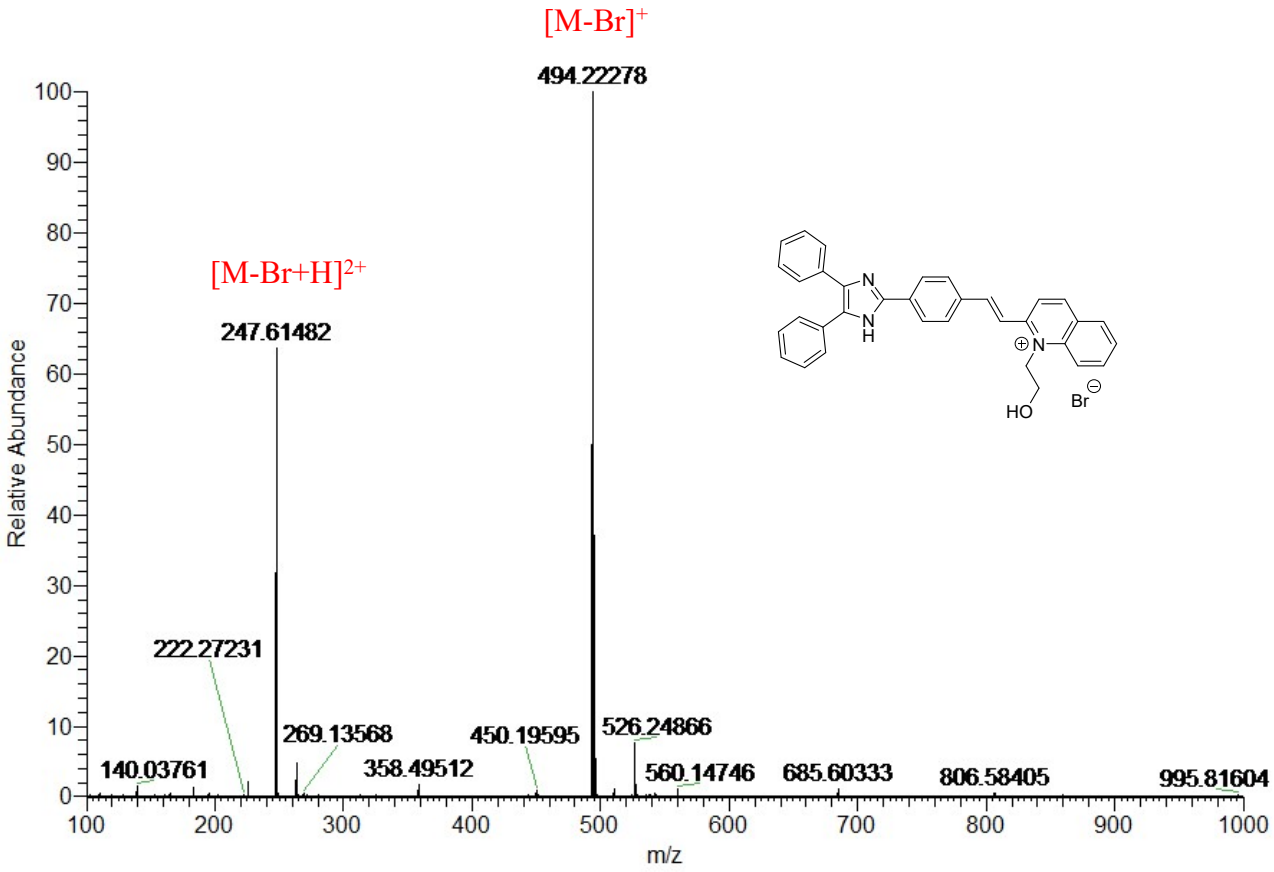

Figure S8. HRMS spectrum of **2PIQu**.

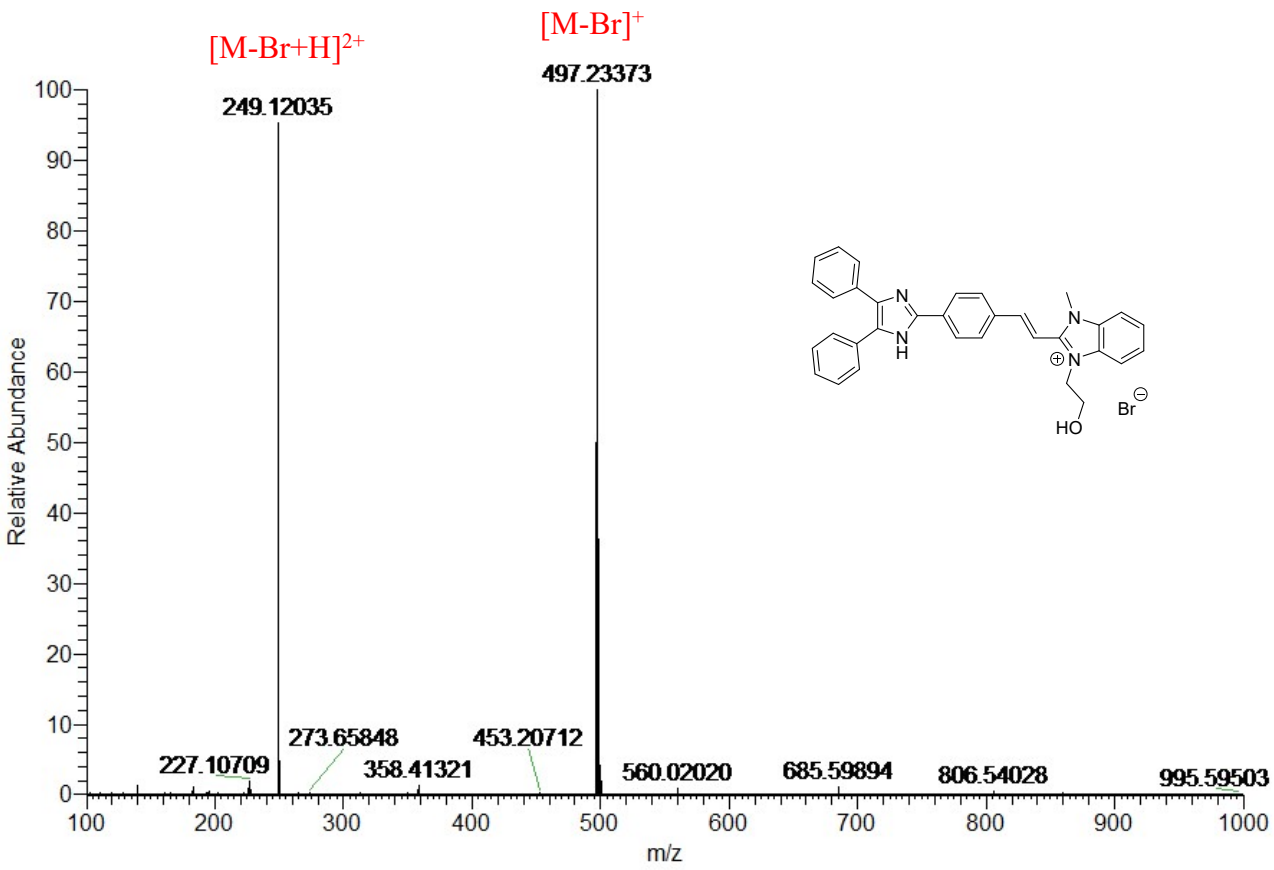

Figure S9. HRMS spectrum of **3PIIm**.

4. FT-IR spectra

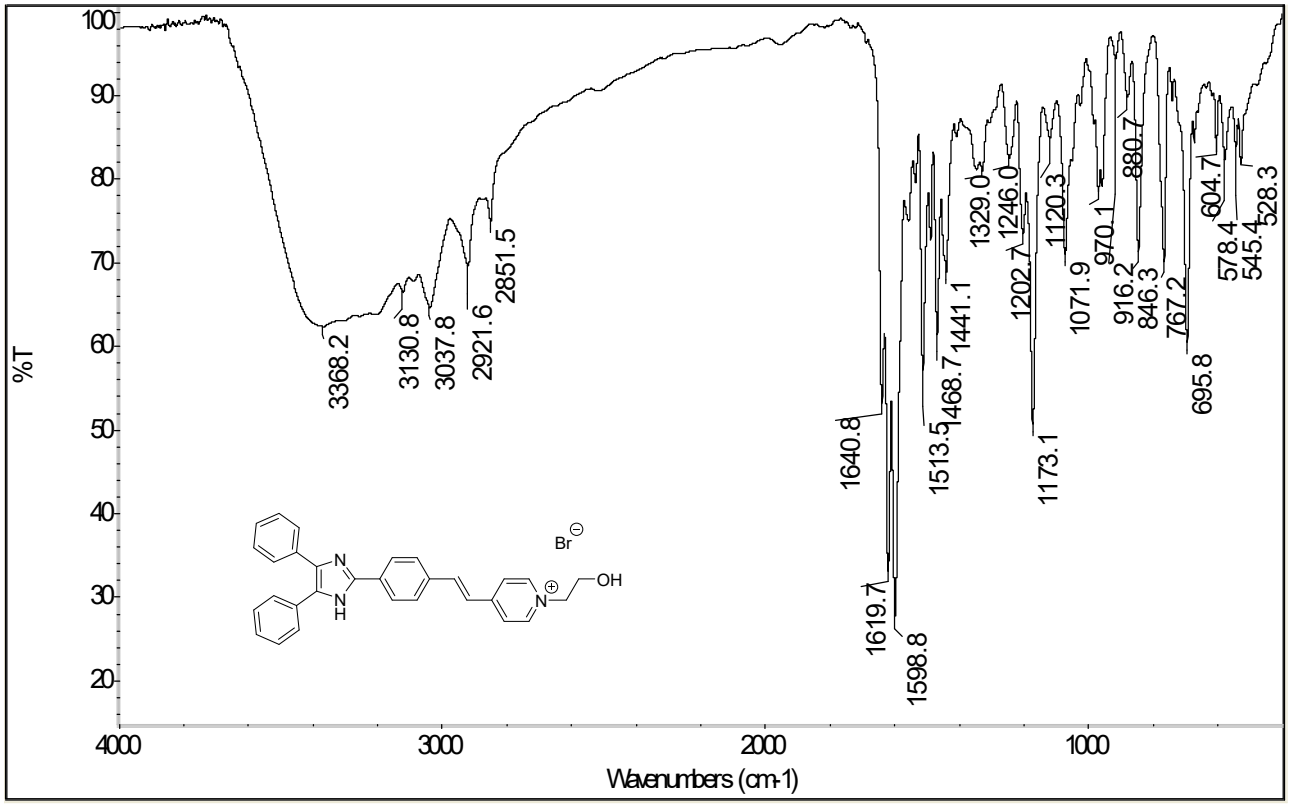

Figure S10. FT-IR spectrum of **1PIPy**.

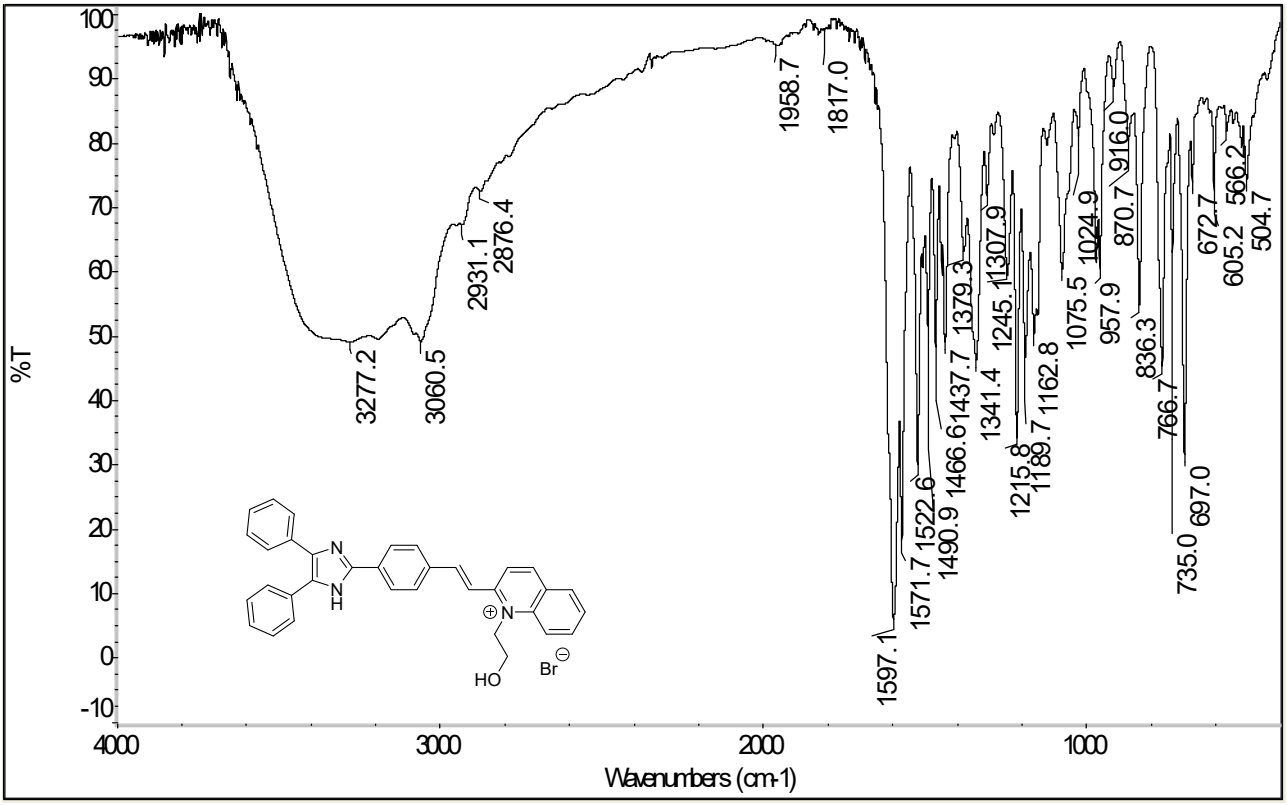

Figure S11. FT-IR spectrum of **2PIQu**.

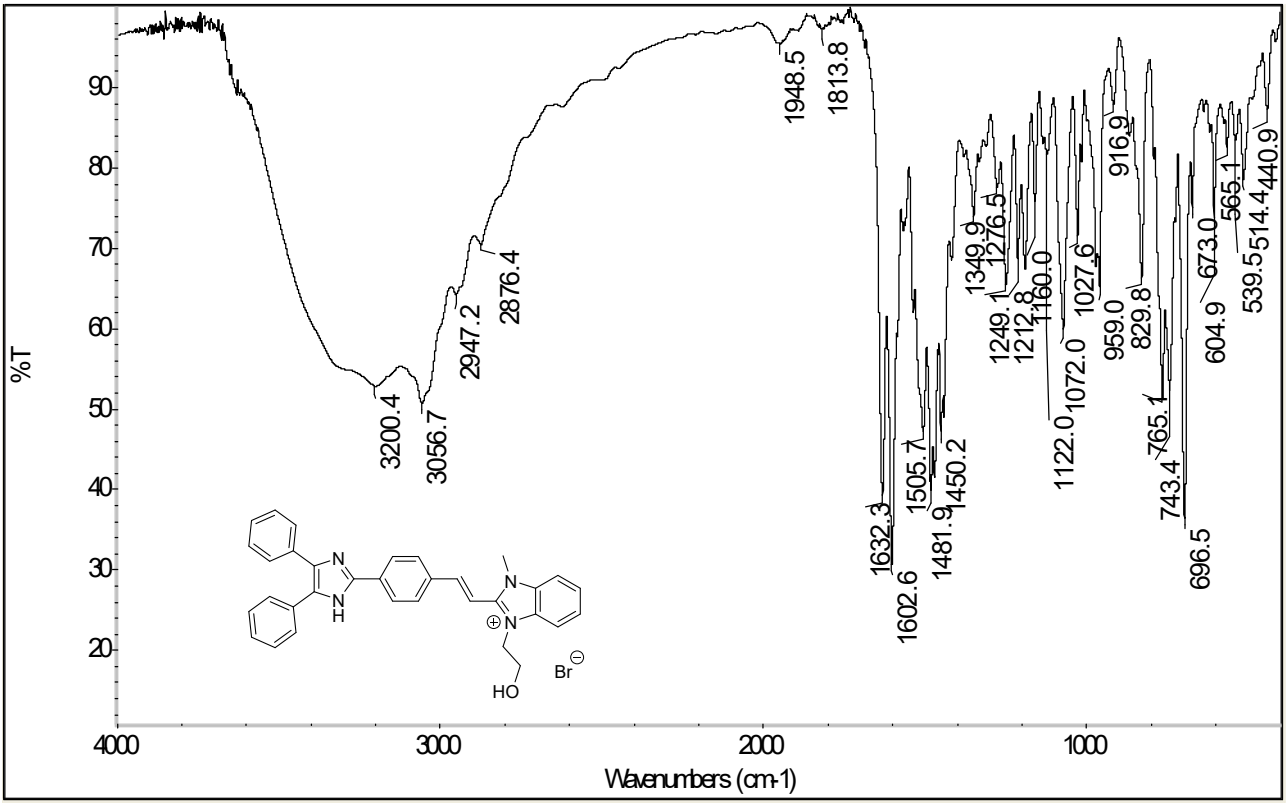

Figure S12. FT-IR spectrum of **3PIIm**.