

Synthesis of Siloxane-Integrated Schiff Base Compounds Exhibiting

Aggregation-Induced Emission Properties

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Supplementary Figures

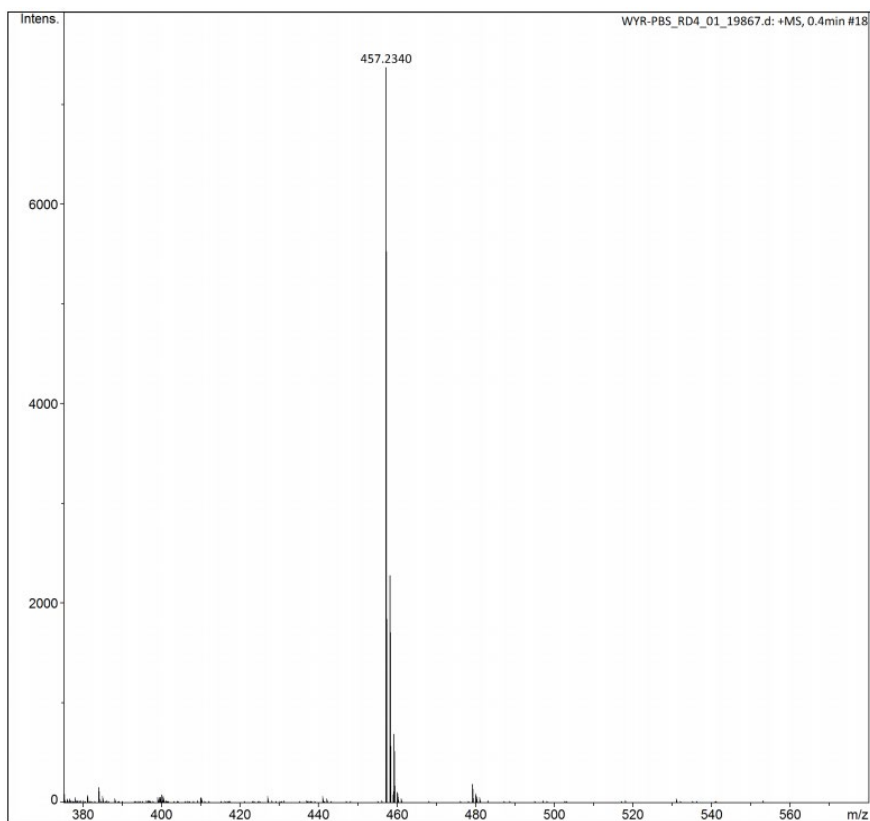
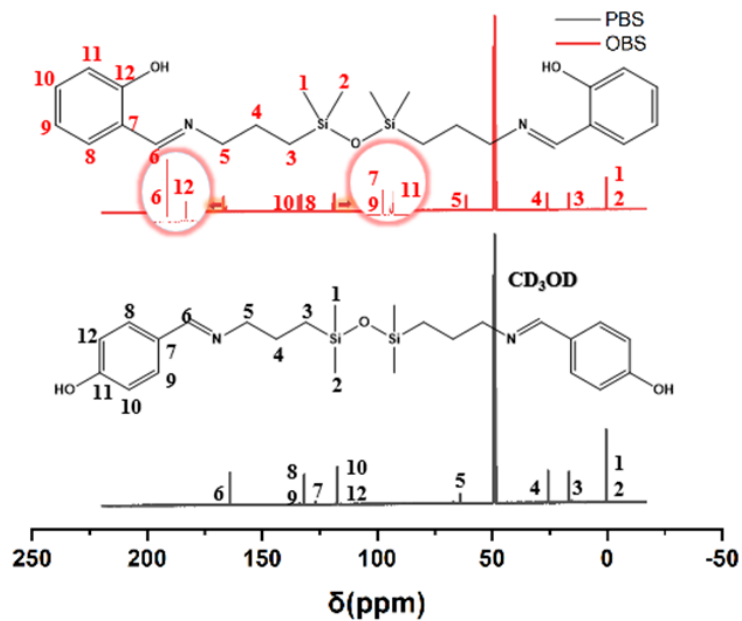


Fig. S1. ^{13}C NMR and High-resolution mass spectra spectrometry of **PBS** and **OBS**.

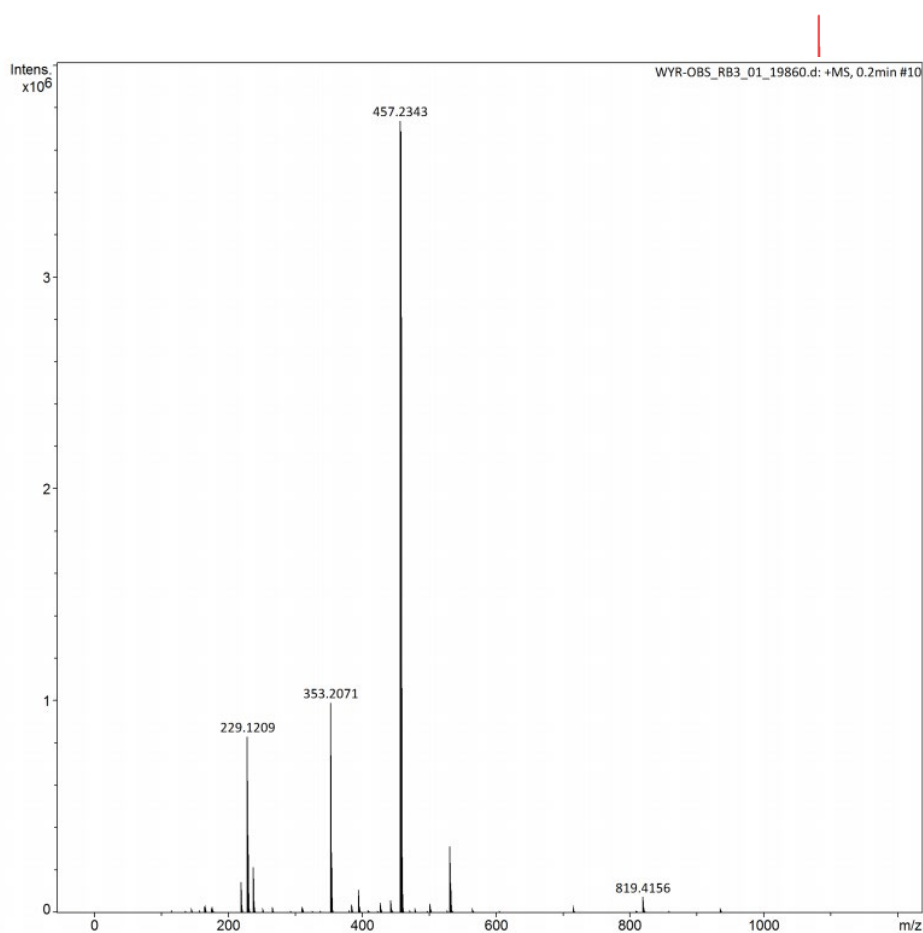
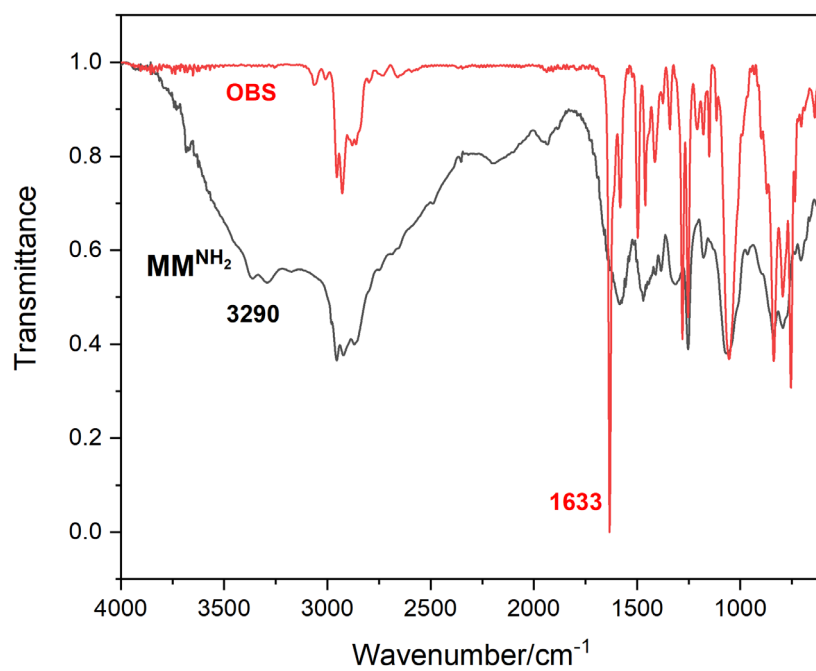


Fig. S2. (a) IR spectrum of **OBS** and **MM^{NH}₂** (b) ¹H NMR spectra of **OBS**.

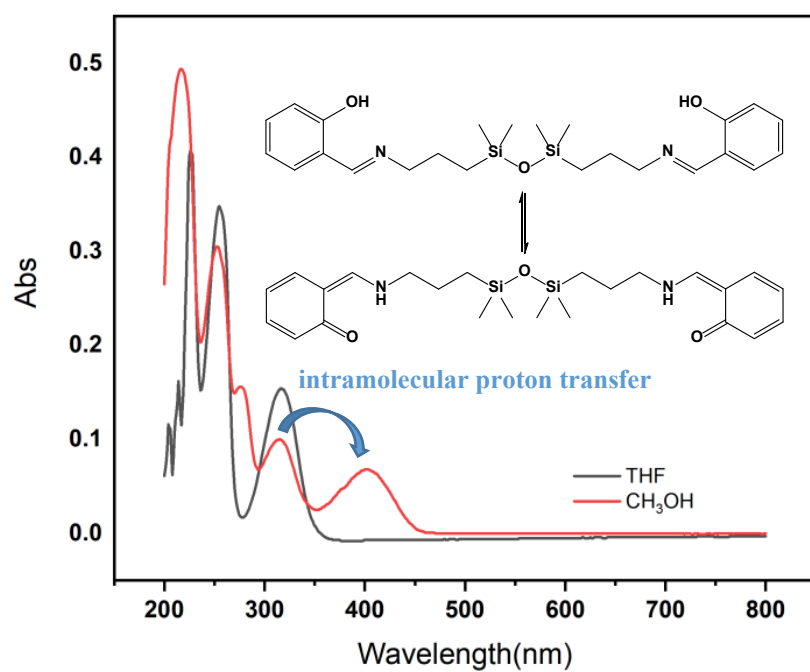


Fig. S3. UV-vis absorption spectra of **OBS** in (a) THF (b) CH₃OH. Inset: enol-imine and keto-amine forms of **OBS**.

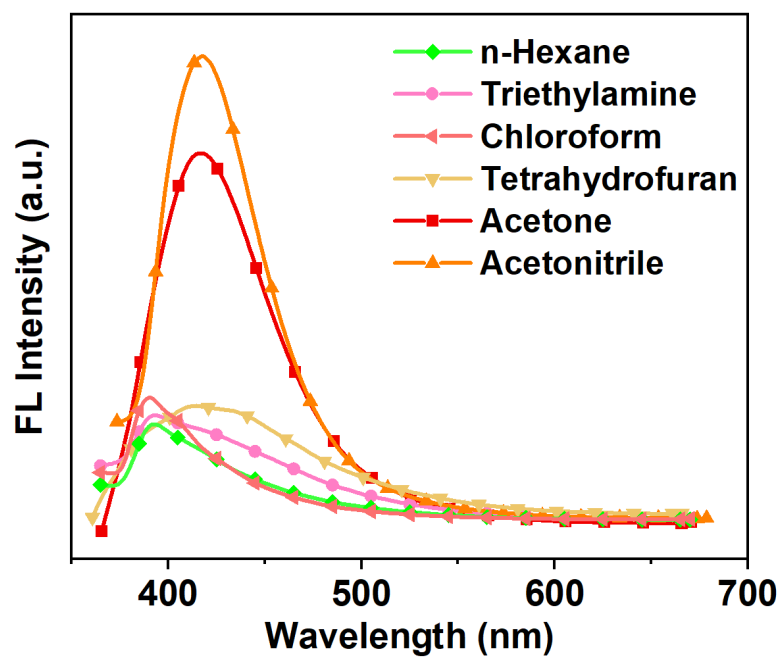


Fig. S4. Fluorescence emission spectra of **OBS** in different solvents

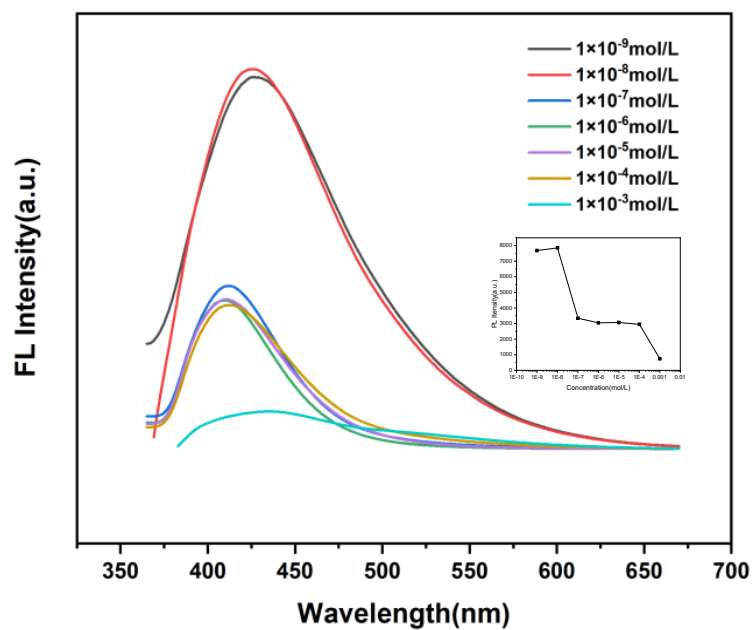


Fig. S5. Fluorescence emission spectra of different concentrations of **PBS**, $E_x=345\text{nm}$

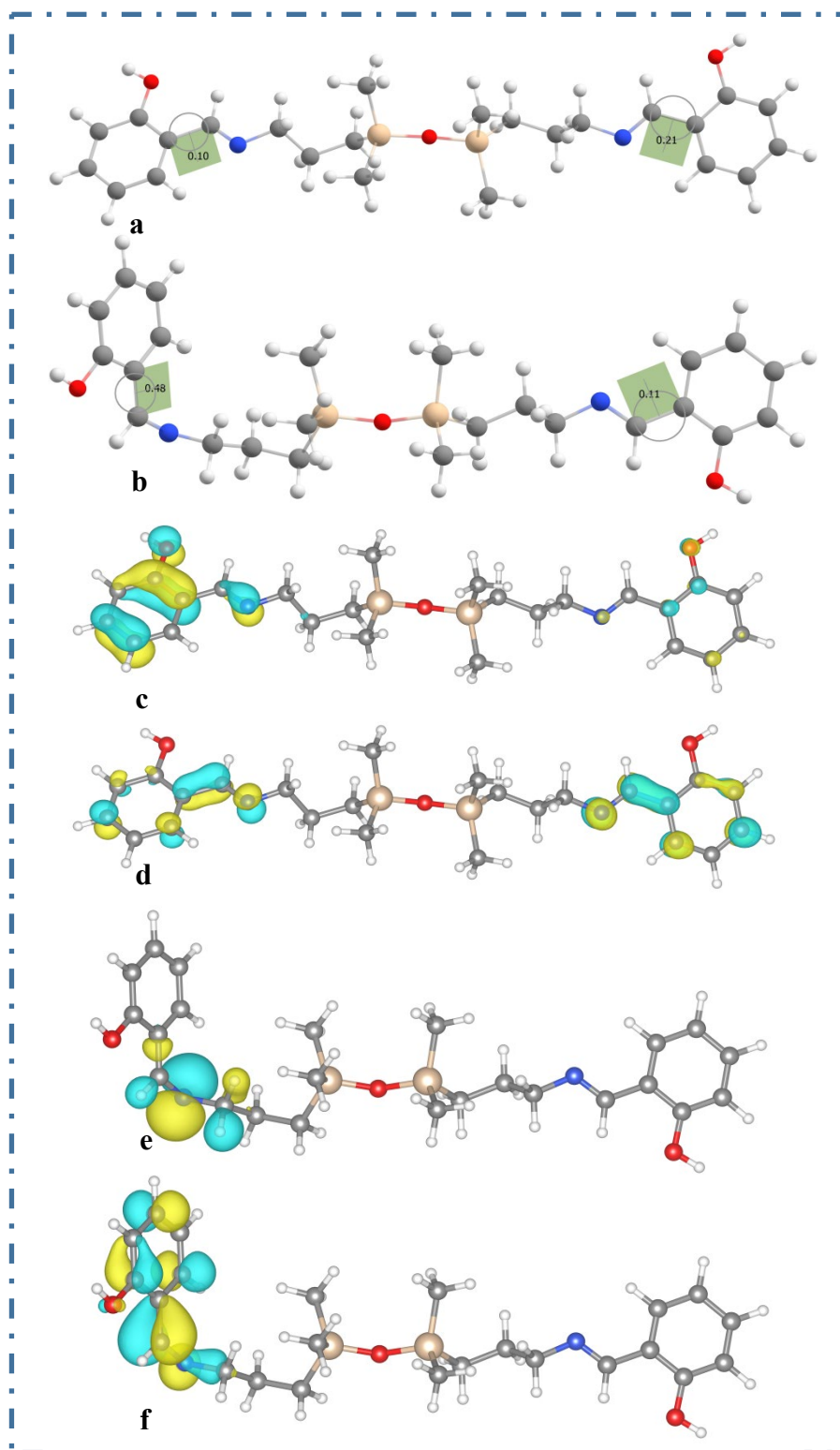


Fig. S6. (a)(c)(d) ground state geometry optimization structure and frontier orbital electron cloud distribution of compounds **OBS** (b)(e)(f) Excited state geometry optimization structure and frontier orbital electron cloud distribution of compounds **OBS**

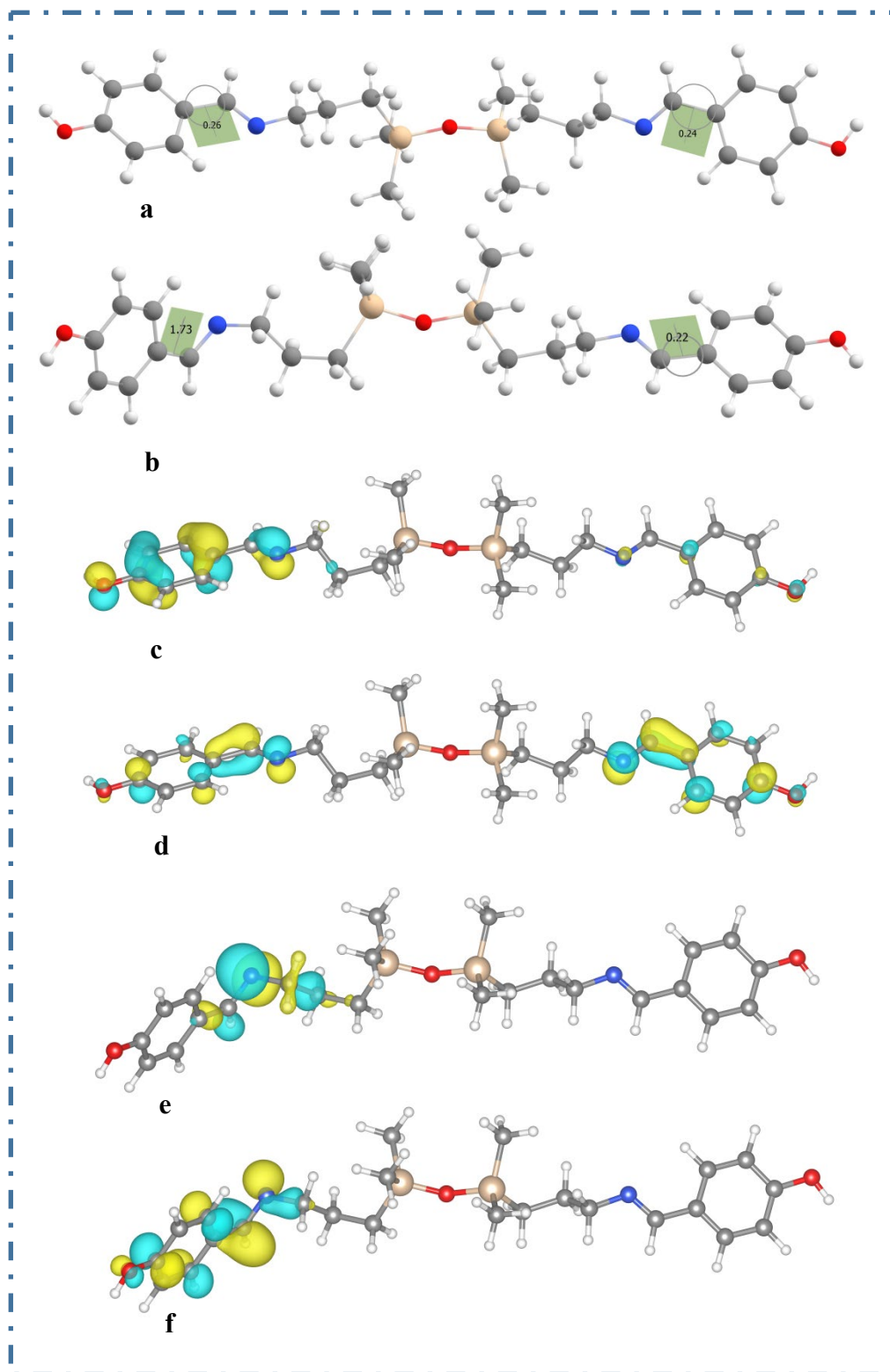


Fig. S7. (a)(c)(d) ground state geometry optimization structure and frontier orbital electron cloud distribution of compounds **PBS** (b)(e)(f) Excited state geometry optimization structure and frontier orbital electron cloud distribution of compounds **PBS**