

Electronic Supplementary Information

White light emission from simple AIE-ESIPT-Excimer tripled single molecular system

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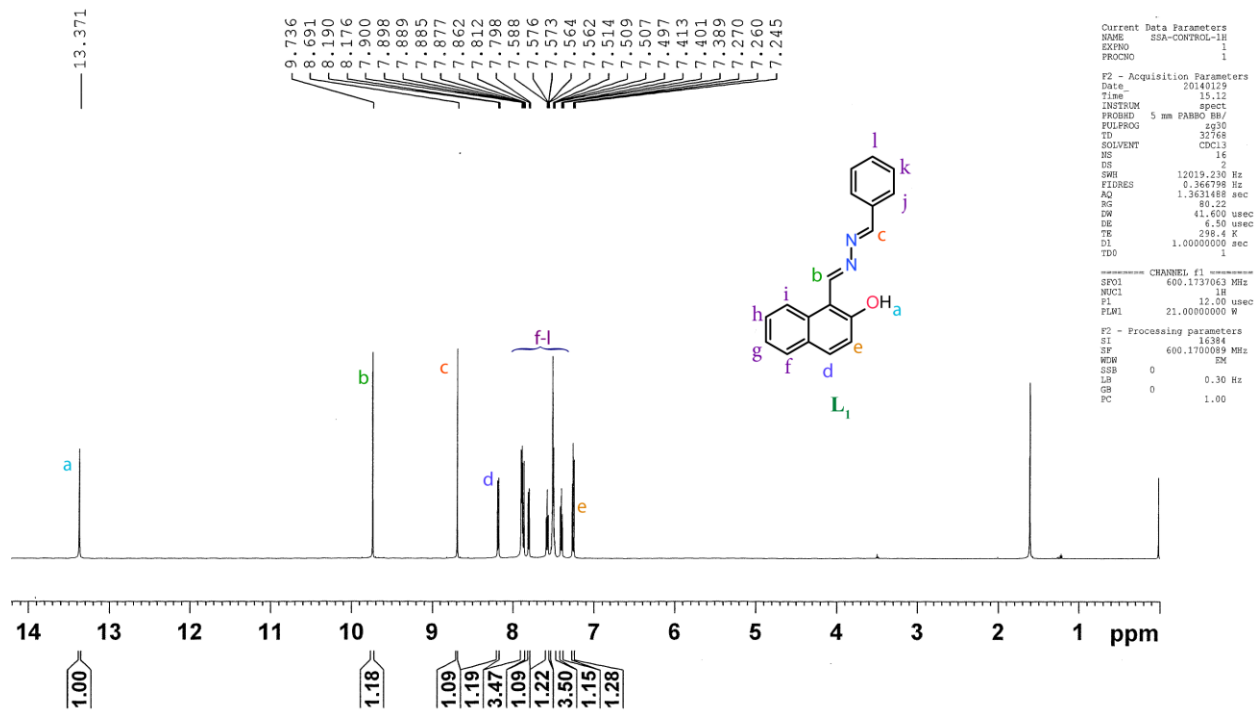


Figure S1: $^1\text{H-NMR}$ spectra of L_1 .

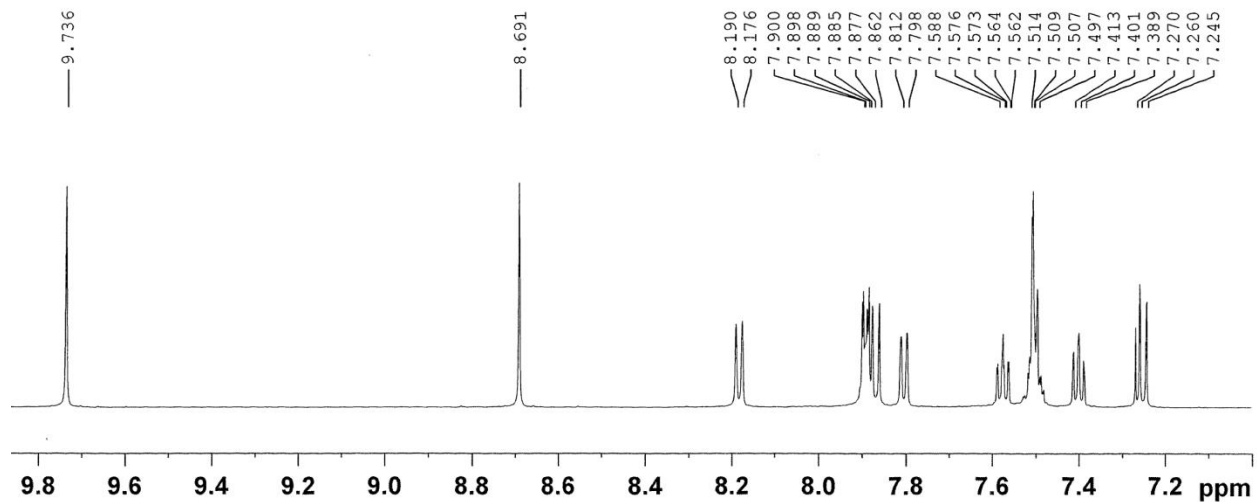


Figure S2: Expanded $^1\text{H-NMR}$ spectra of L_1 .

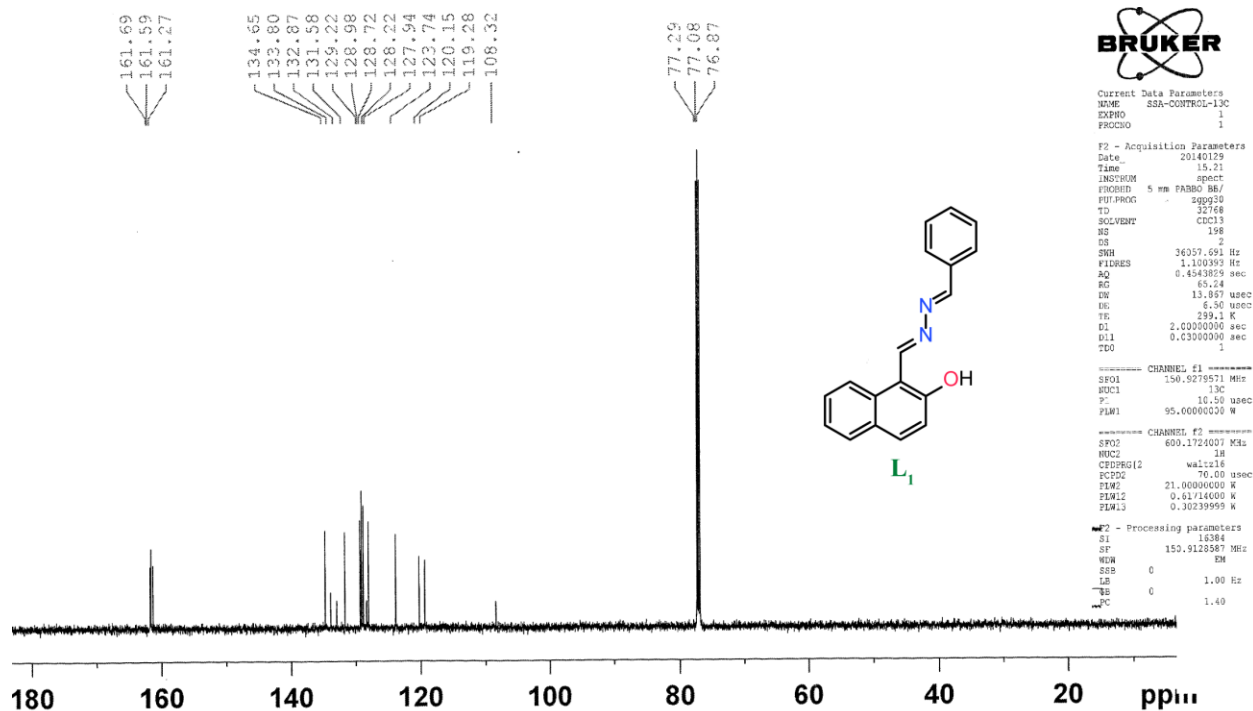


Figure S3: ¹³C-NMR spectra of L₁.

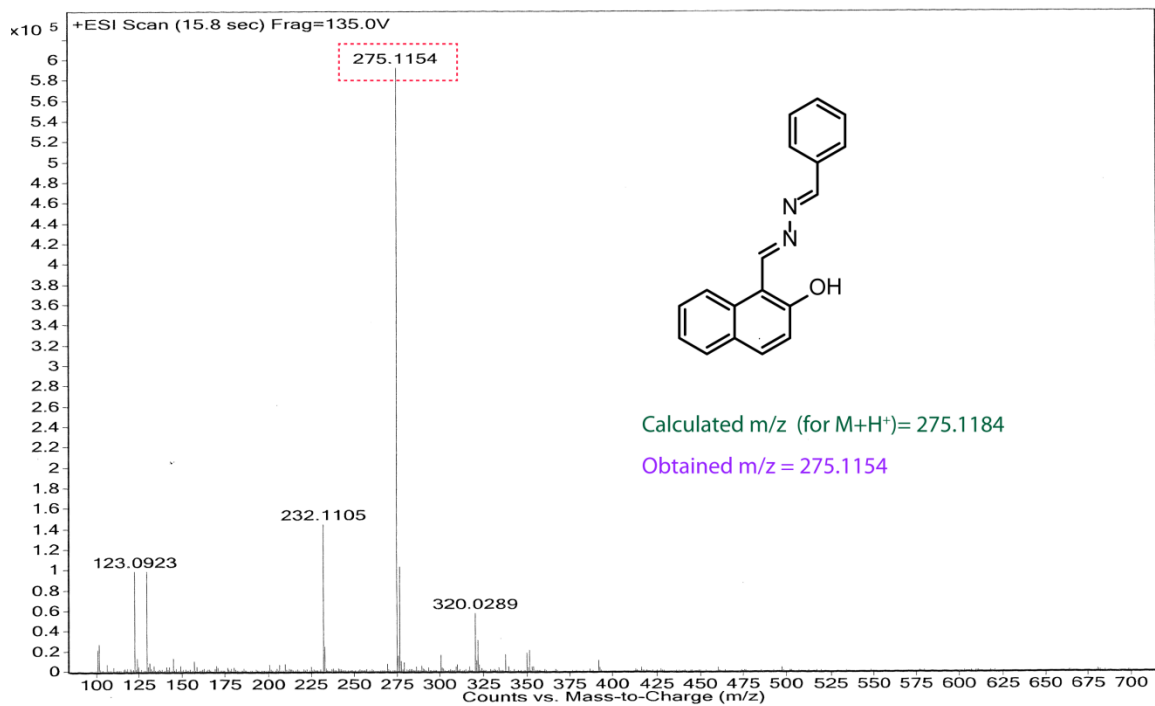


Figure S4: Mass spectrum of L₁.

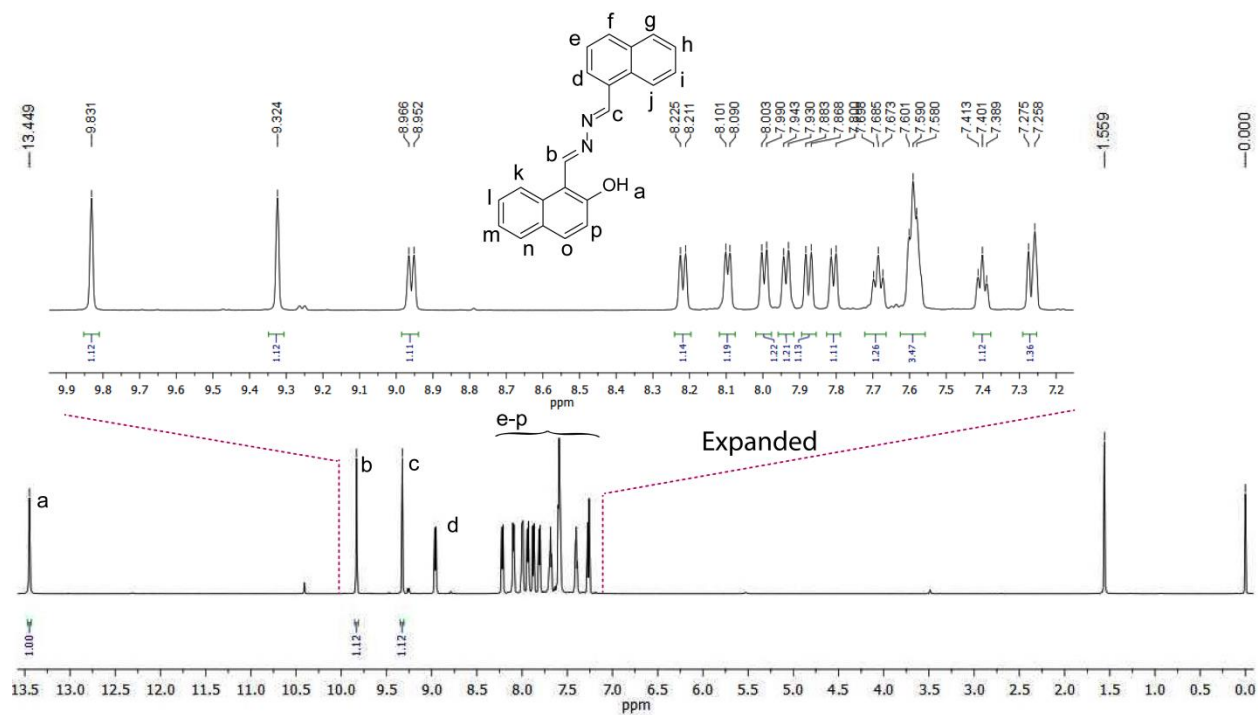


Figure S5: ¹H-NMR spectra of L₂.

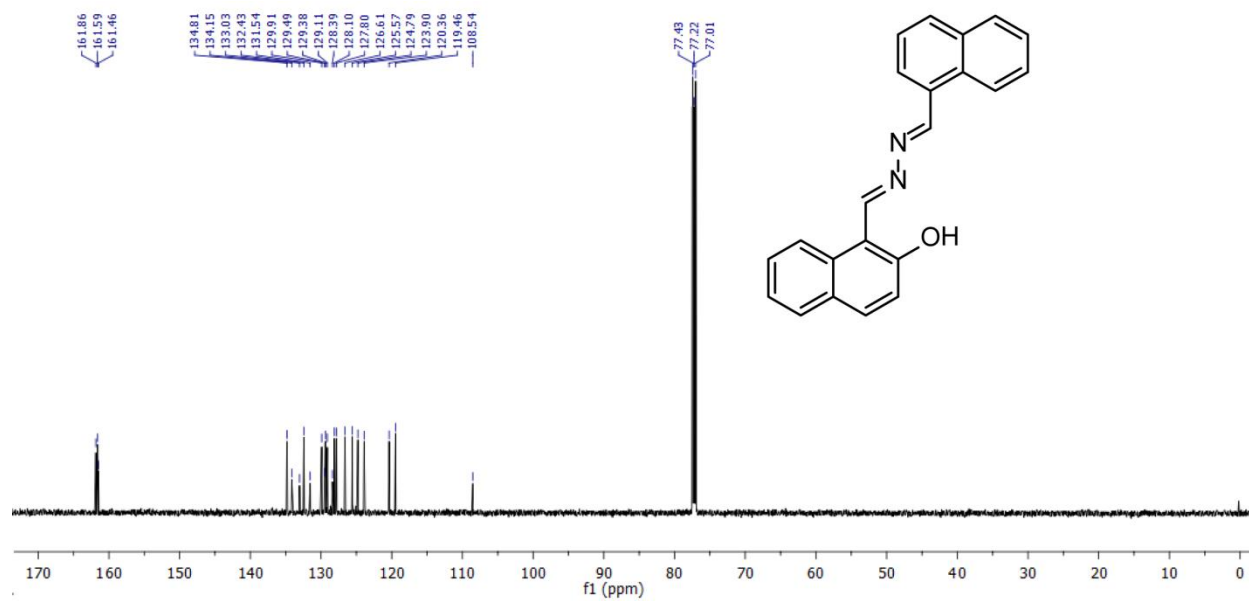


Figure S6: ¹³C-NMR spectra of L₂.

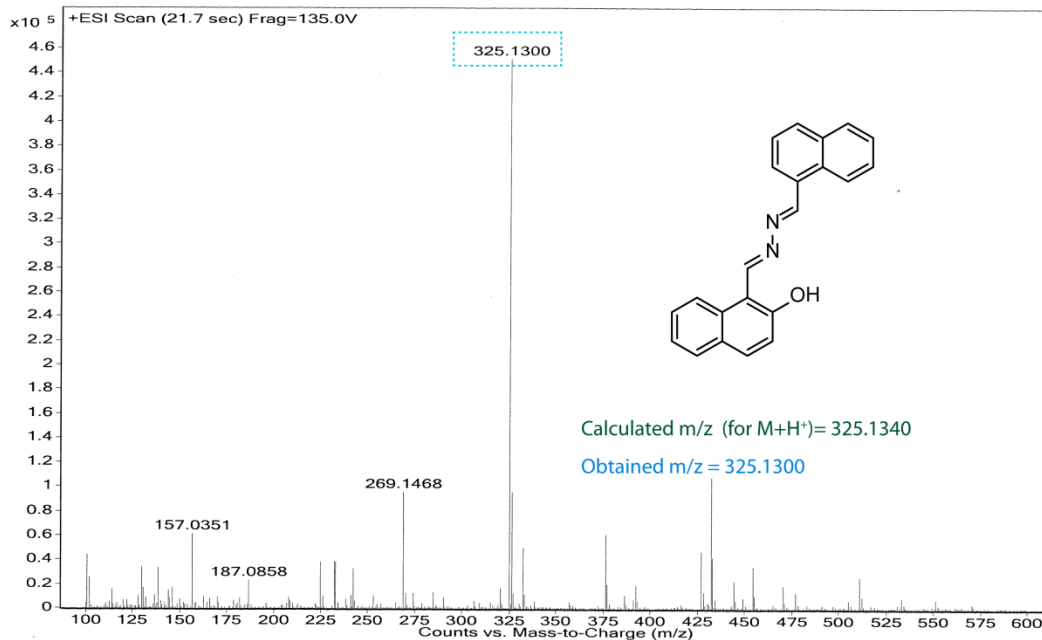


Figure S7: Mass spectrum of L_2 .

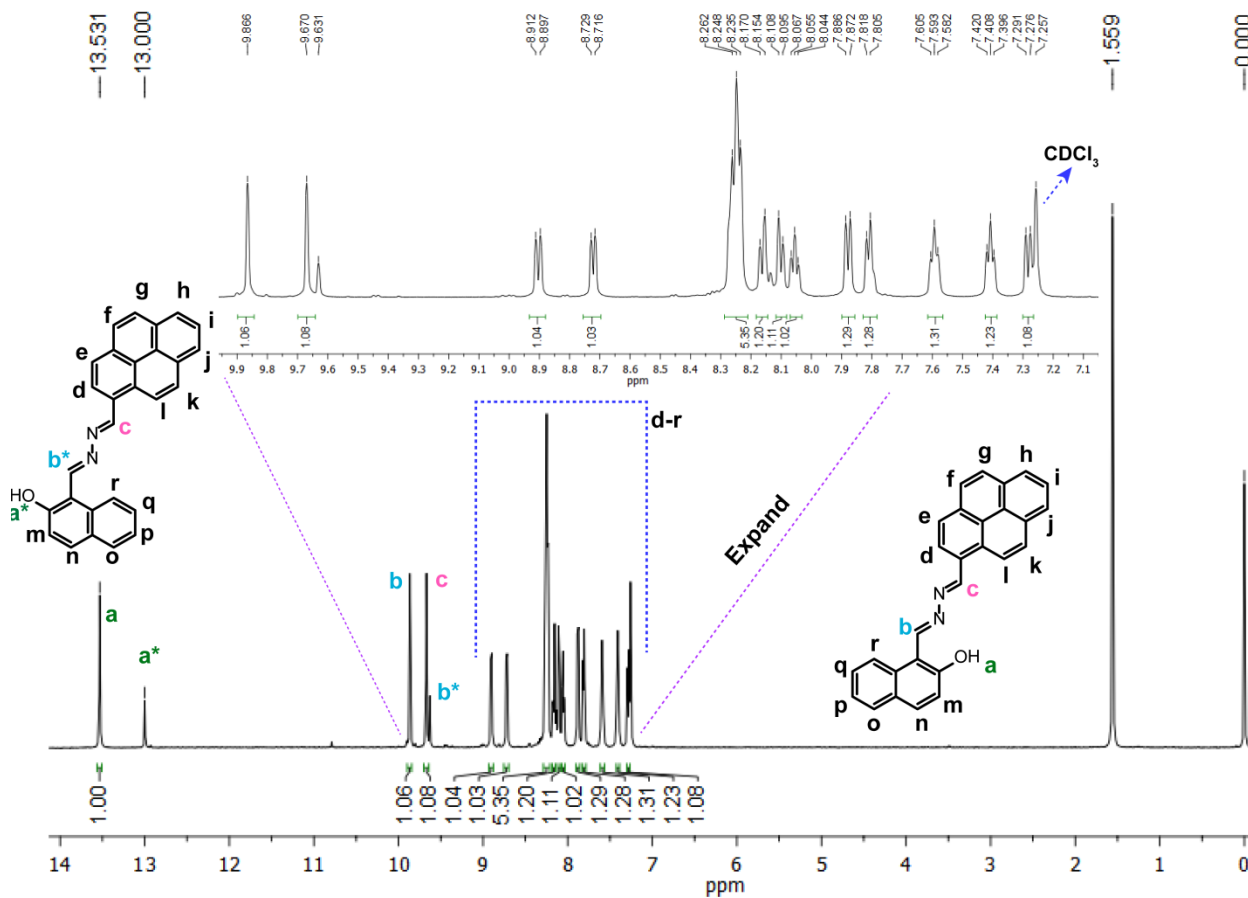


Figure S8: 1H -NMR spectra of L_3 .

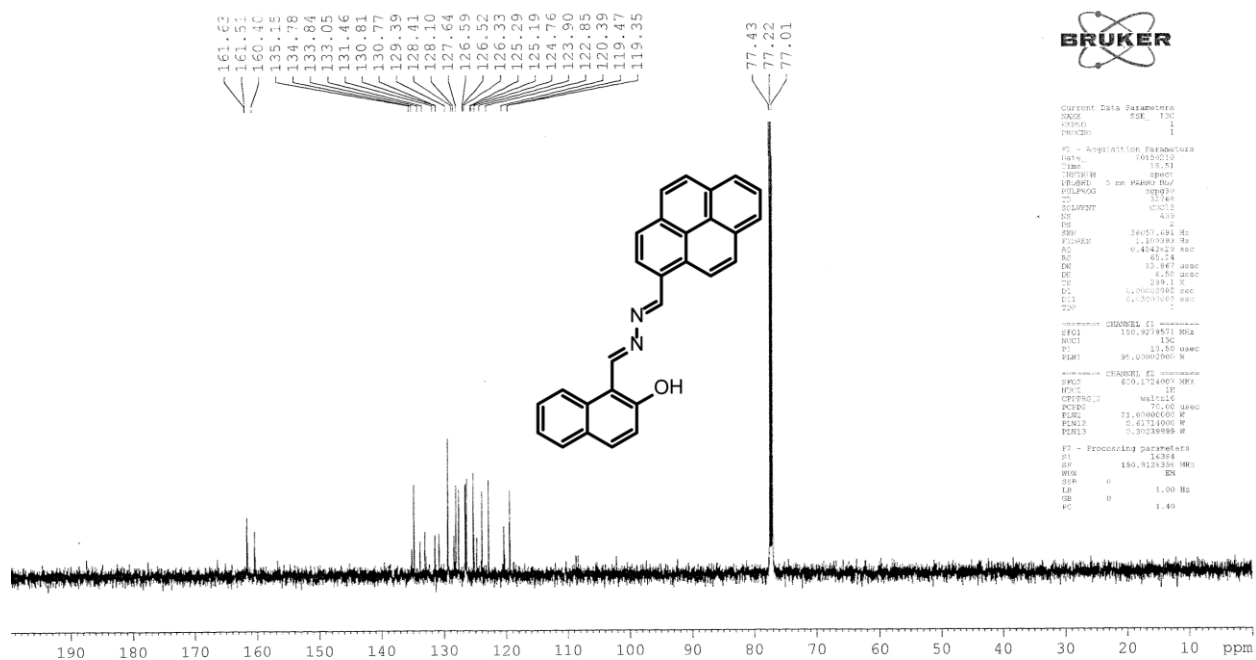


Figure S9: ^{13}C -NMR spectra of **L3**.

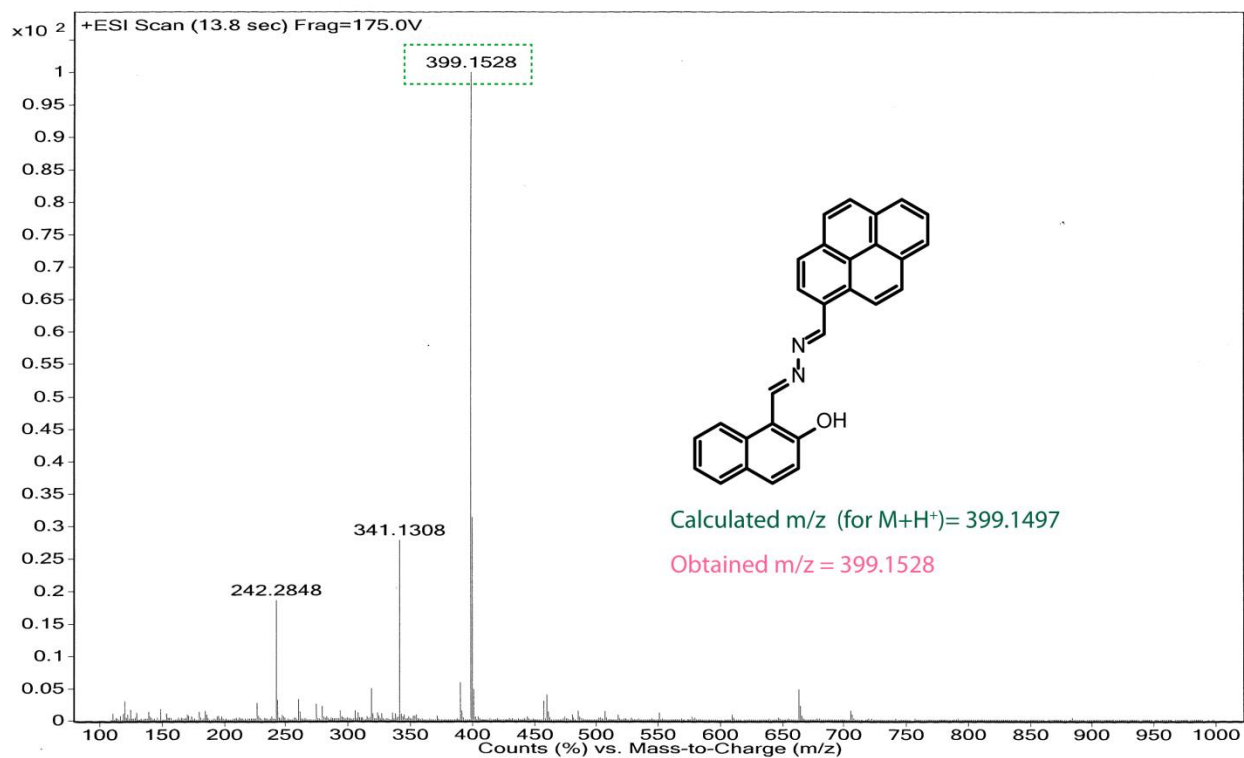


Figure S10: Mass spectrum of **L3**.

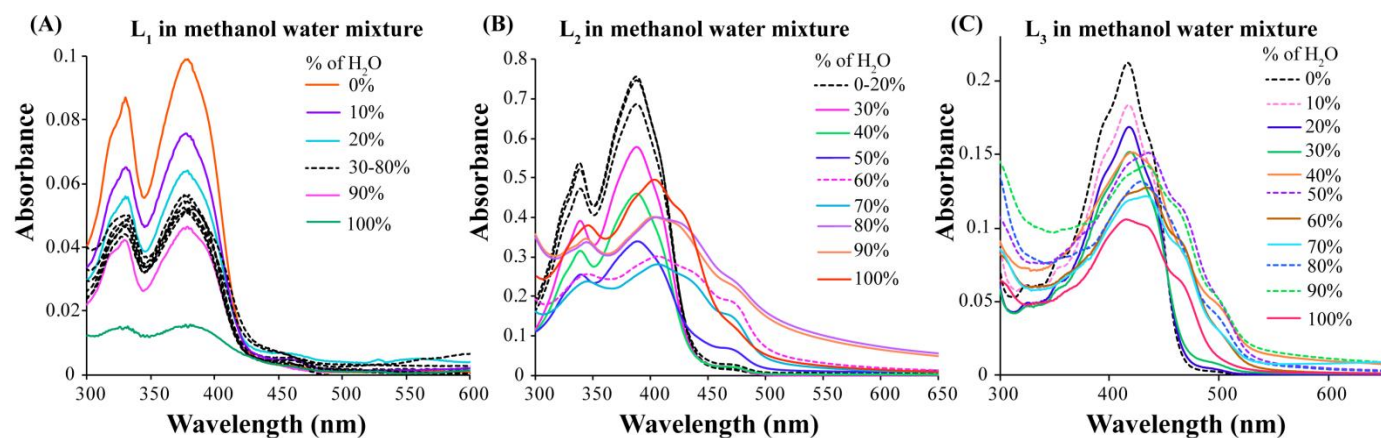


Figure S11: UV-vis spectra of L_1 (25 μM) (A); L_2 (25 μM) (B) and L_3 (10 μM) (C) upon changing the water fraction of methanol-water mixed solvent.

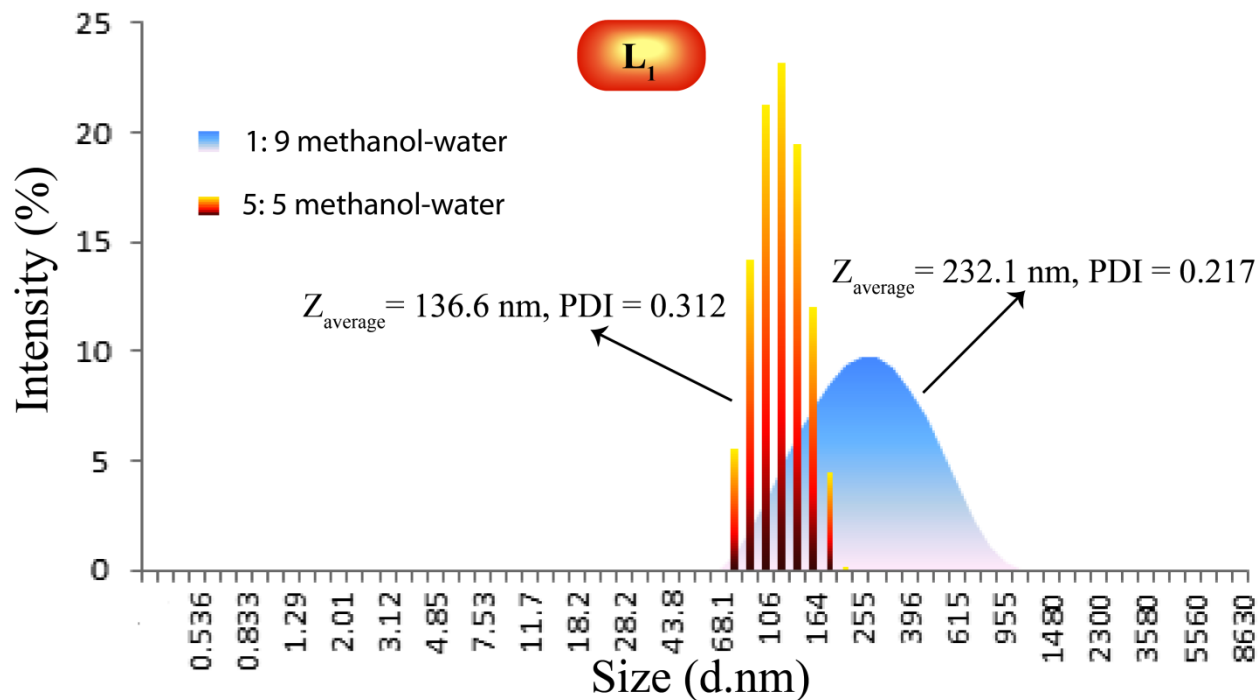


Figure S12: DLS-based particle size analysis of L_1 (10 μM) upon changing the solvent from 5:5 methanol-water to 1:9 methanol-water.

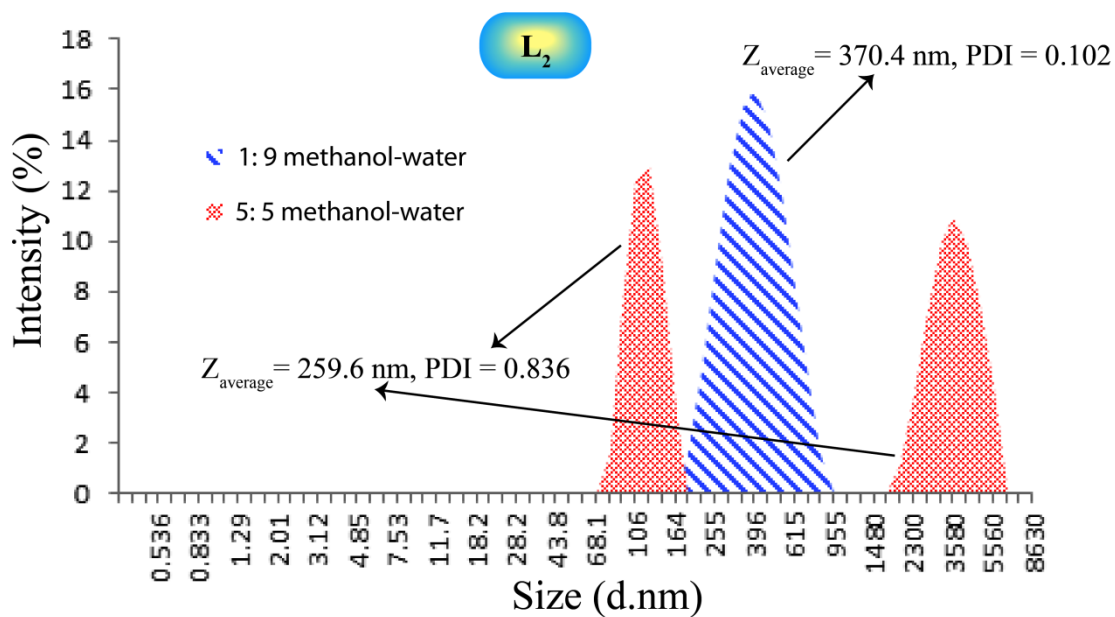


Figure S13: DLS-based particle size analysis of L_2 (10 μM) upon changing the solvent from 5:5 methanol-water to 1:9 methanol-water.

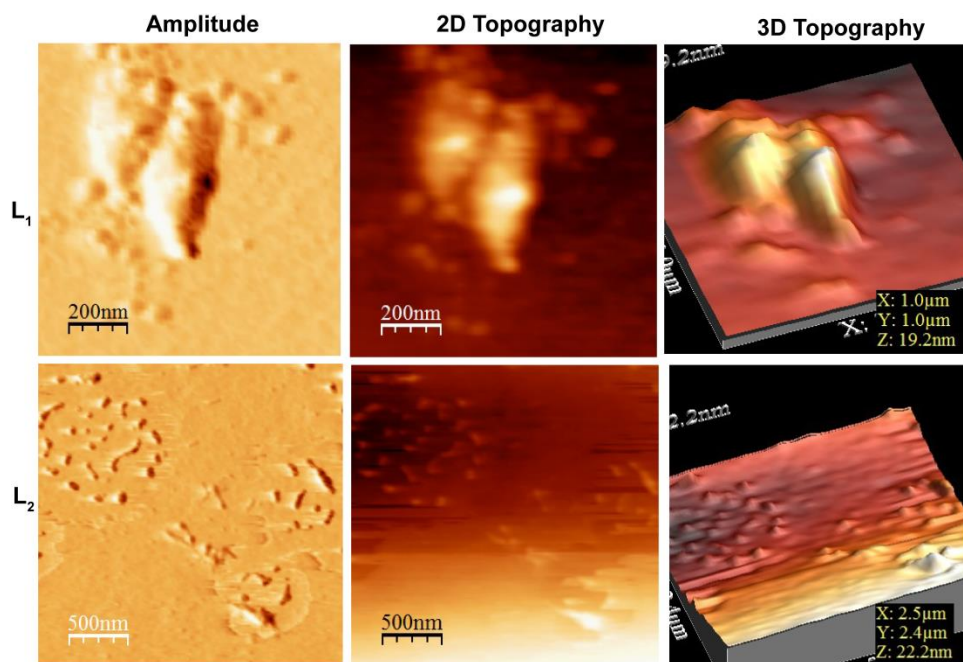


Figure S14: AFM images of the aggregates obtained from the drop casted solution of L_1 (10 μM) and L_2 (10 μM) in 1:9 methanol-water mixed solvent.

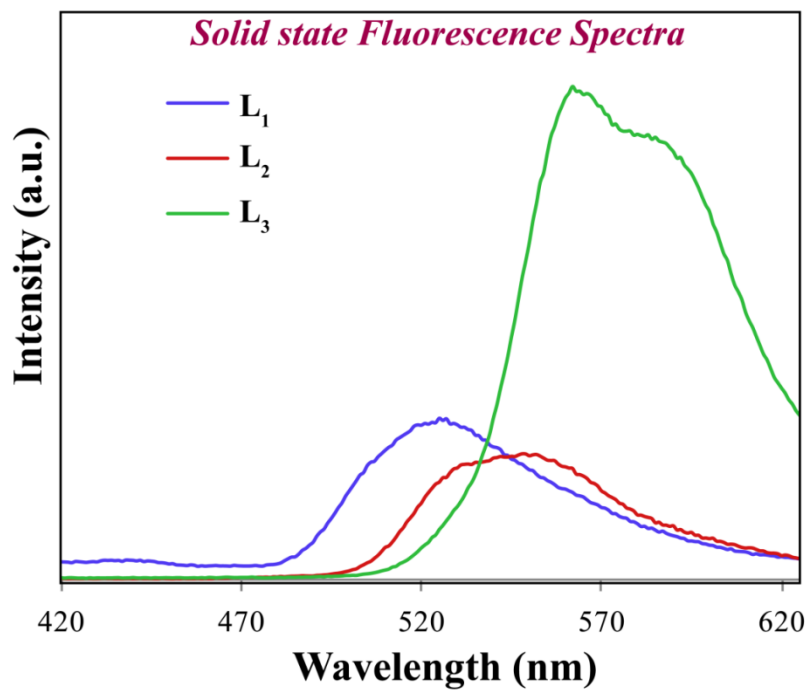


Figure S15: Solid state/film state fluorescence spectra of L_1 , L_2 and L_3 ; $\lambda_{ex}=380$ nm.

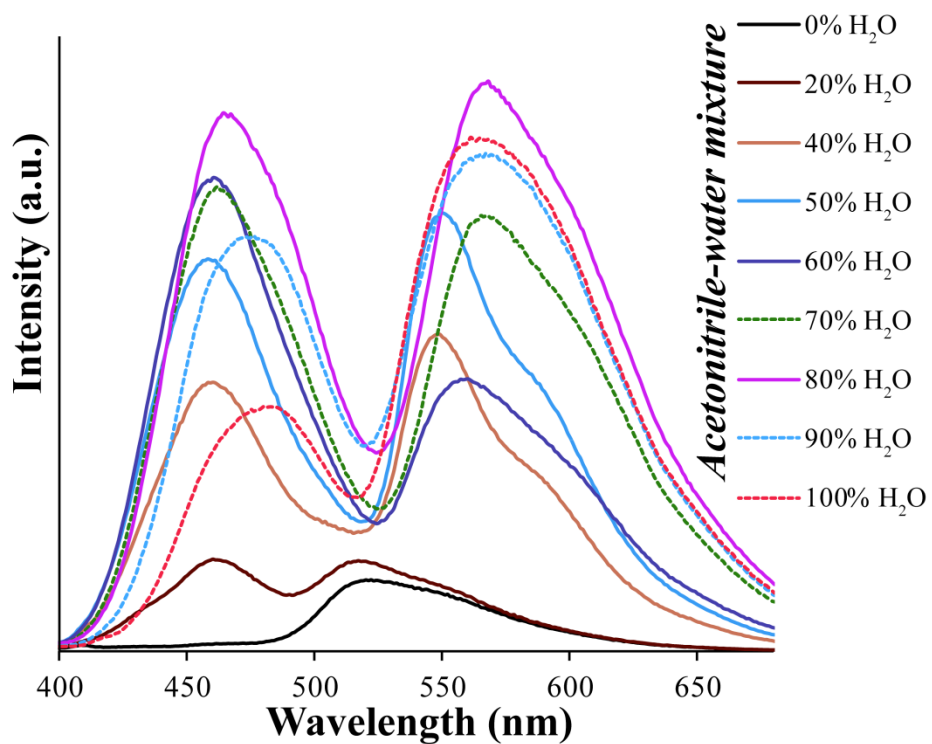


Figure S16: Fluorescence spectra of L_3 ($10\ \mu\text{M}$); upon changing the water fraction of acetonitrile-water mixed solvent; $\lambda_{\text{ex}} = 365\ \text{nm}$

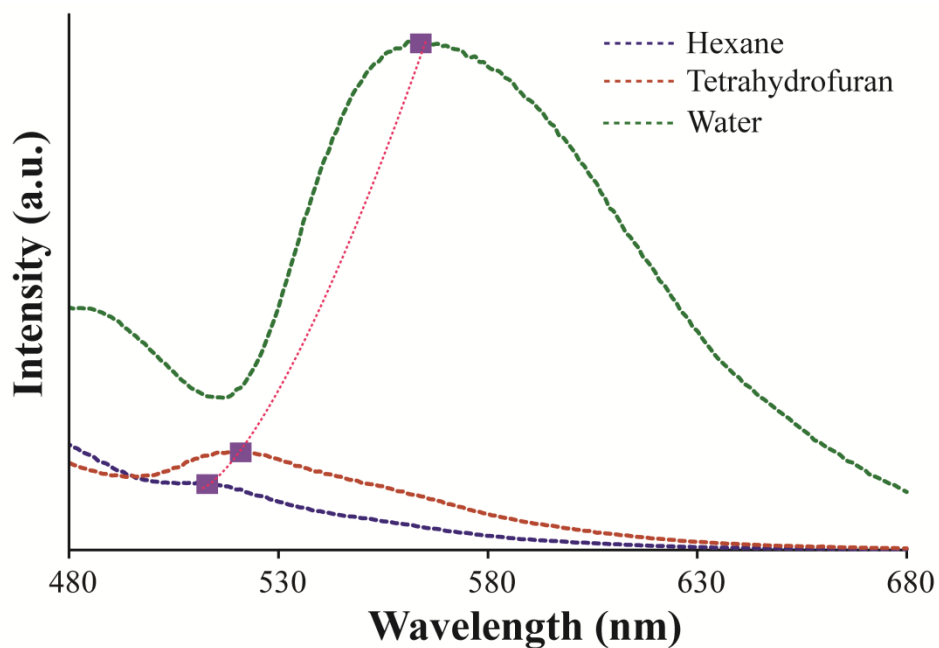


Figure S17: Fluorescence spectra of L_3 in different solvents; $\lambda_{\text{ex}} = 380\ \text{nm}$.

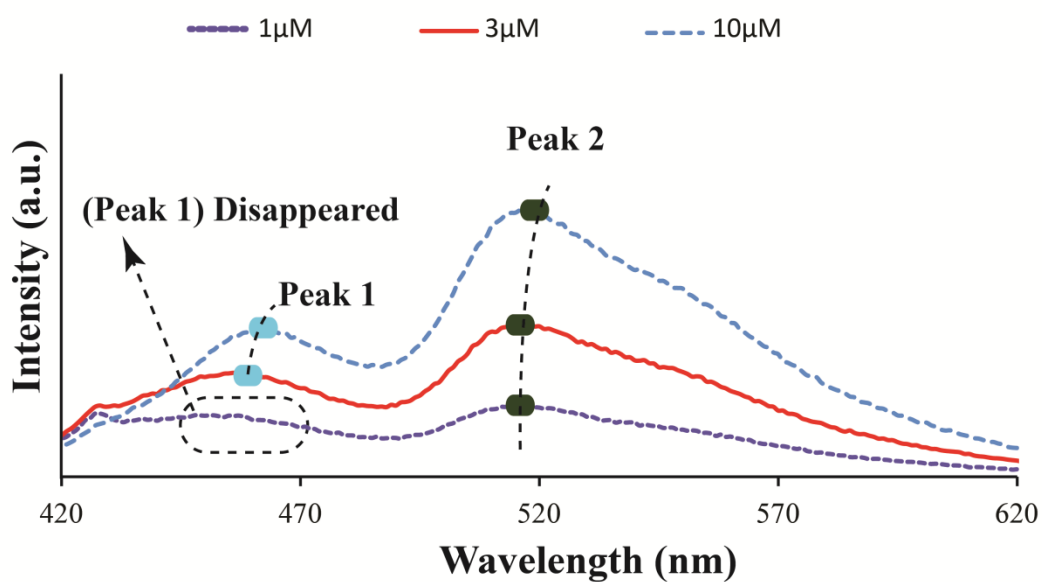


Figure S18: Fluorescence spectra of L_3 in methanol upon increasing concentration ($1\ \mu\text{M}$ - $10\ \mu\text{M}$).

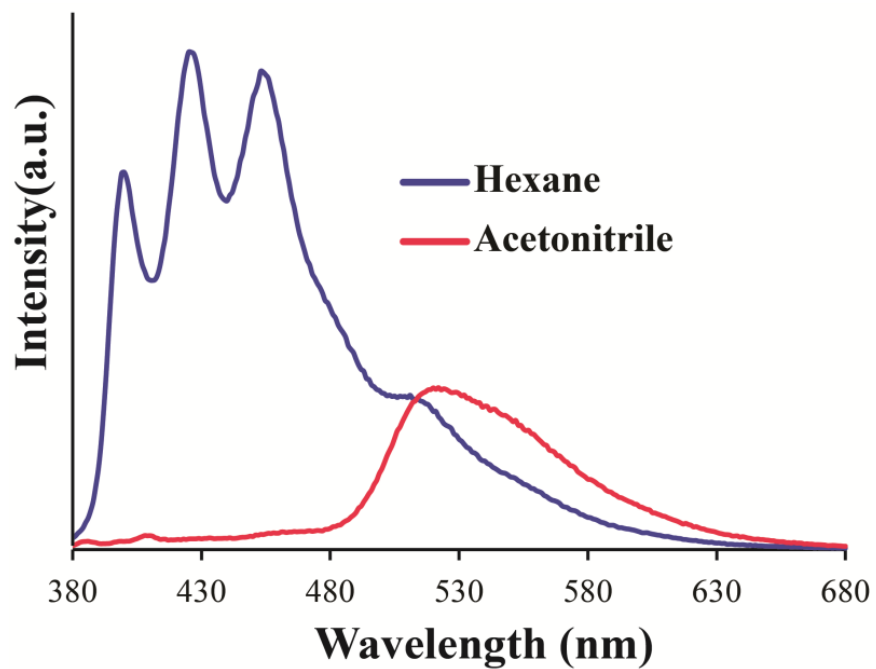


Figure S19: Fluorescence spectra of L_3 in Hexane and acetonitrile; $\lambda_{\text{ex}}=365$ nm.

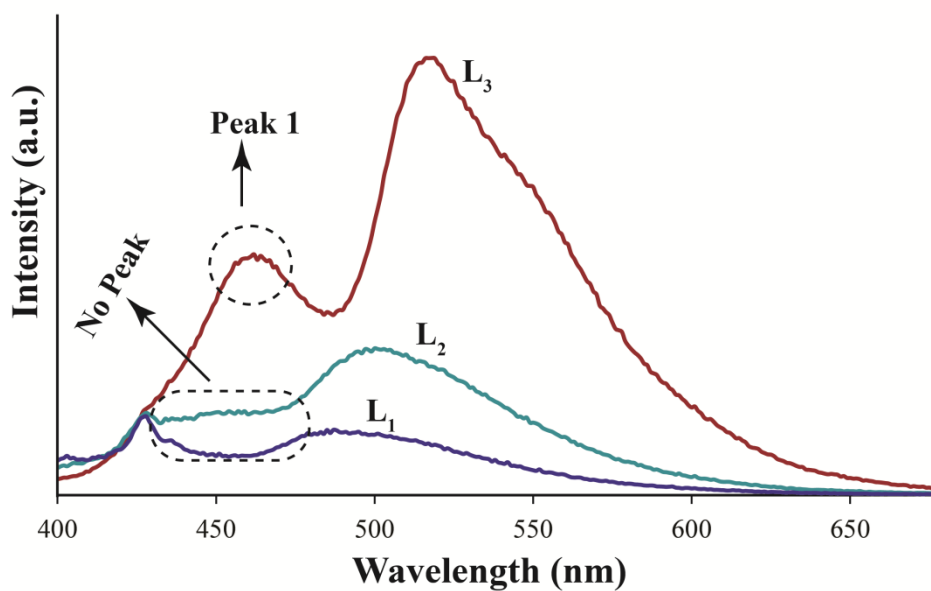


Figure S20: Fluorescence spectra of L_1 , L_2 and L_3 (10 μM) in methanol.