

Relay Proton Transfer Triggered Twisted Intramolecular Charge Transfer†

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Electronic Supplementary Information

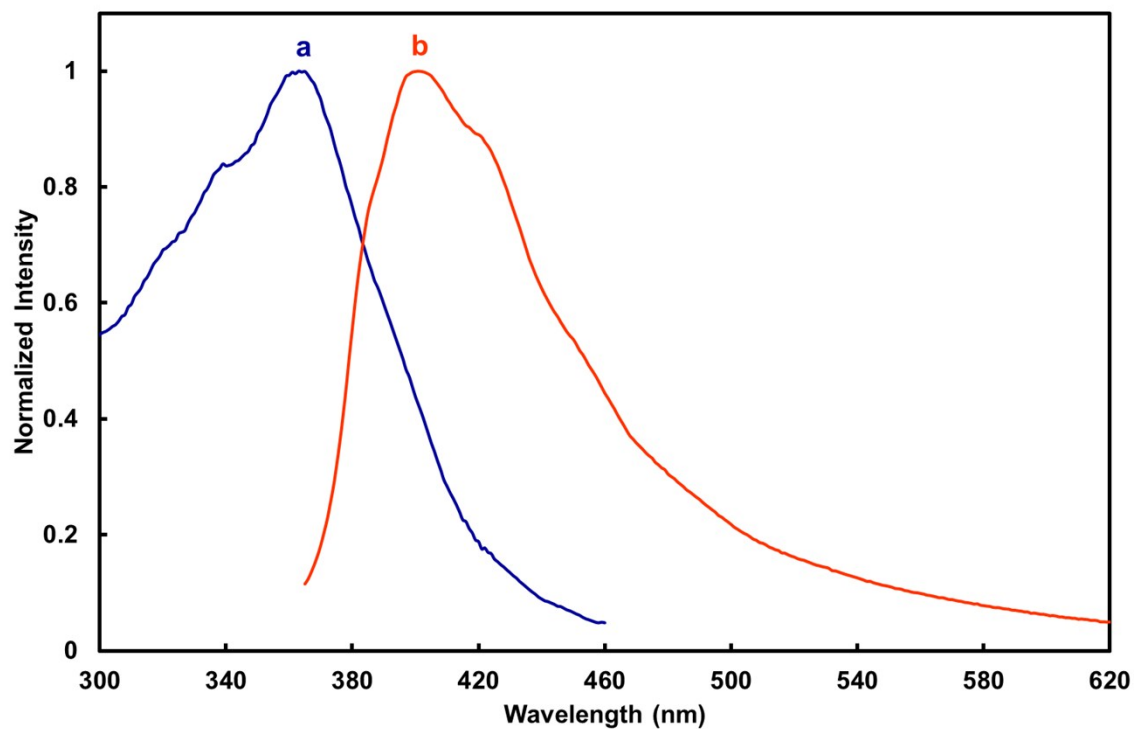


Fig. S1. Mirror Image relationship between the excitation spectrum (a), $\lambda_{em} = 480$ nm and emission spectrum (b), $\lambda_{ex} = 355$ nm for DMAPIP-PyMe in cyclohexane.

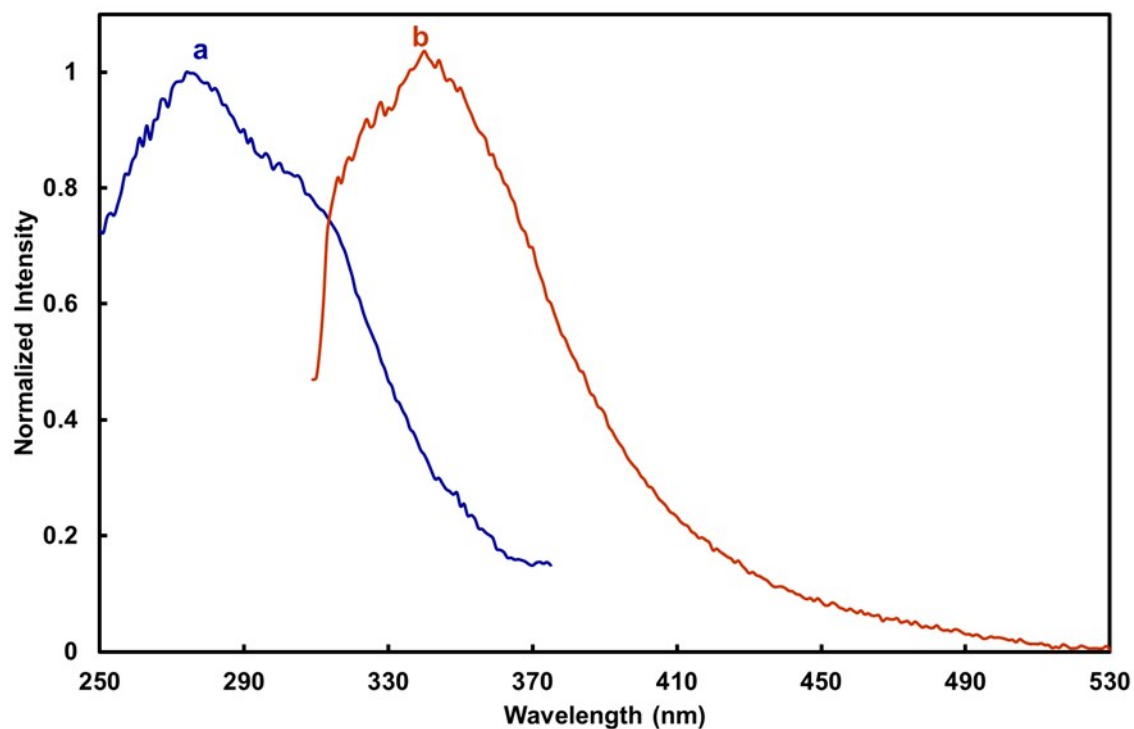


Fig. S2. Mirror Image relationship between the excitation spectrum (a), $\lambda_{em} = 420$ nm and emission spectrum (b), $\lambda_{ex} = 320$ nm for DMAPIP-ImMe in cyclohexane.

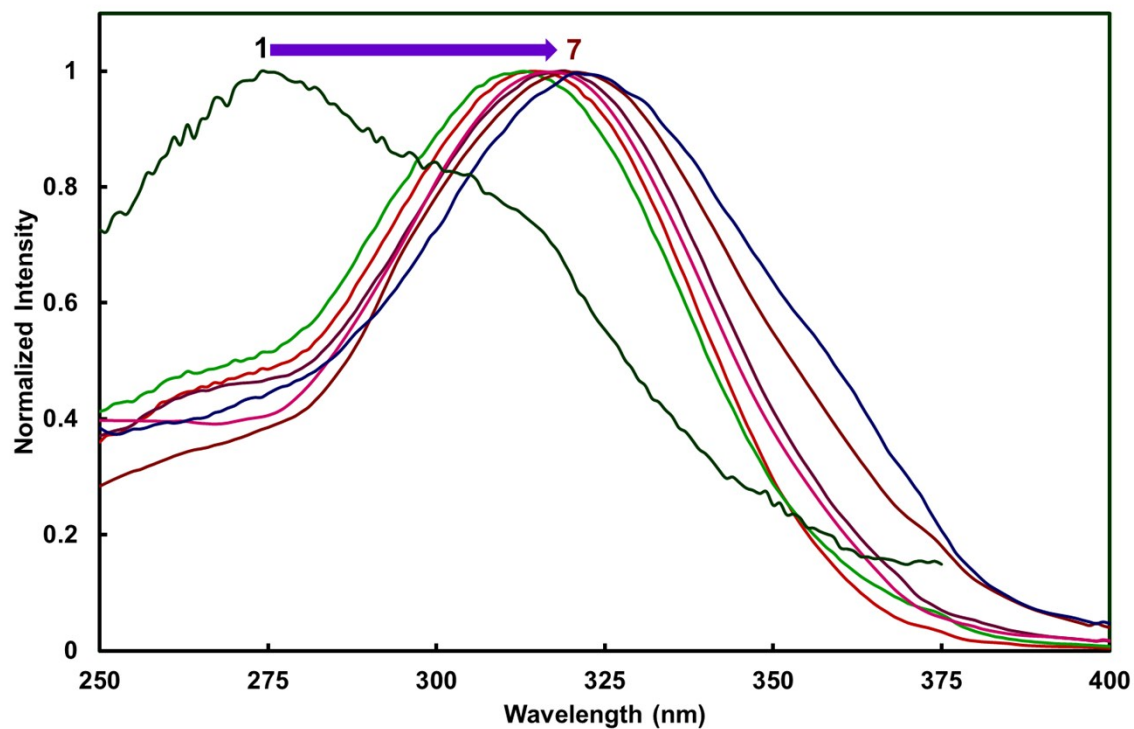


Fig. S3. Normalised fluorescence excitation spectra of DMAPIP-ImMe in some selected solvents: (1) cyclohexane, (2) acetonitrile (3) methanol , (4) DMF (5) propanol (6) tetrahydrofuran, (7) DMSO, ($\lambda_{em} = 420$ nm).

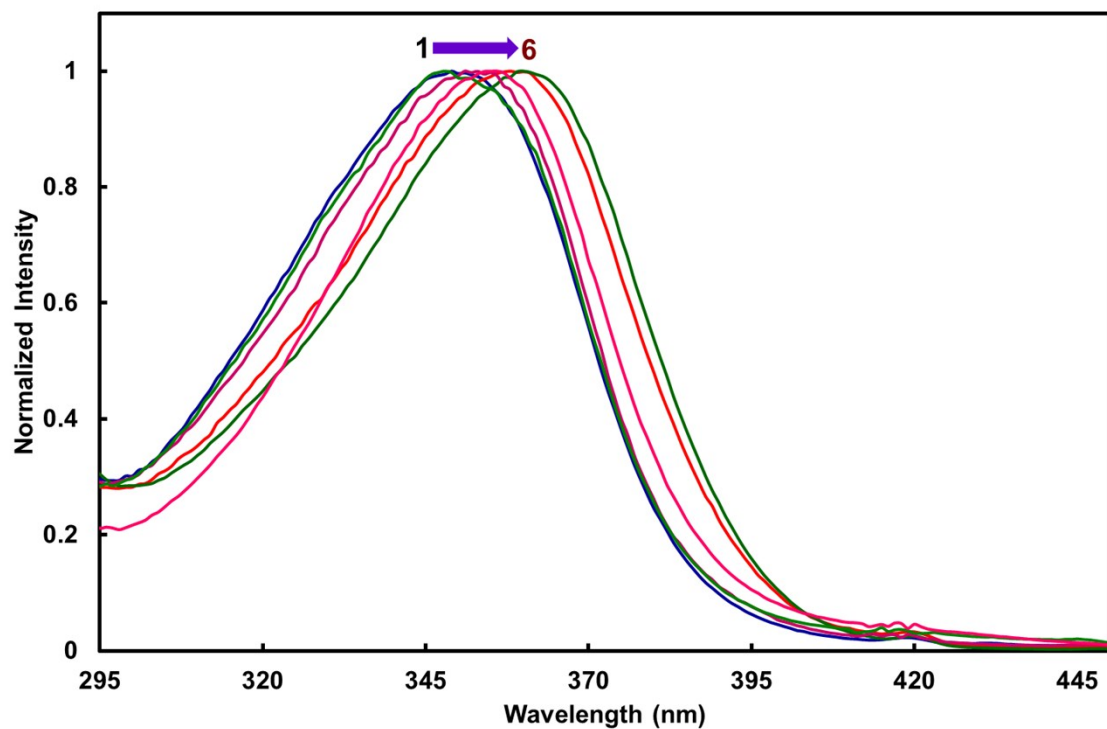


Fig. S4. Normalised fluorescence excitation spectra of DMAPIP-PyMe in some selected solvents: (1) acetonitrile (2) DMF (3) tetrahydrofuran, (4) DMSO, (5) methanol, (6) butanol ($\lambda_{em} = 480$ nm).

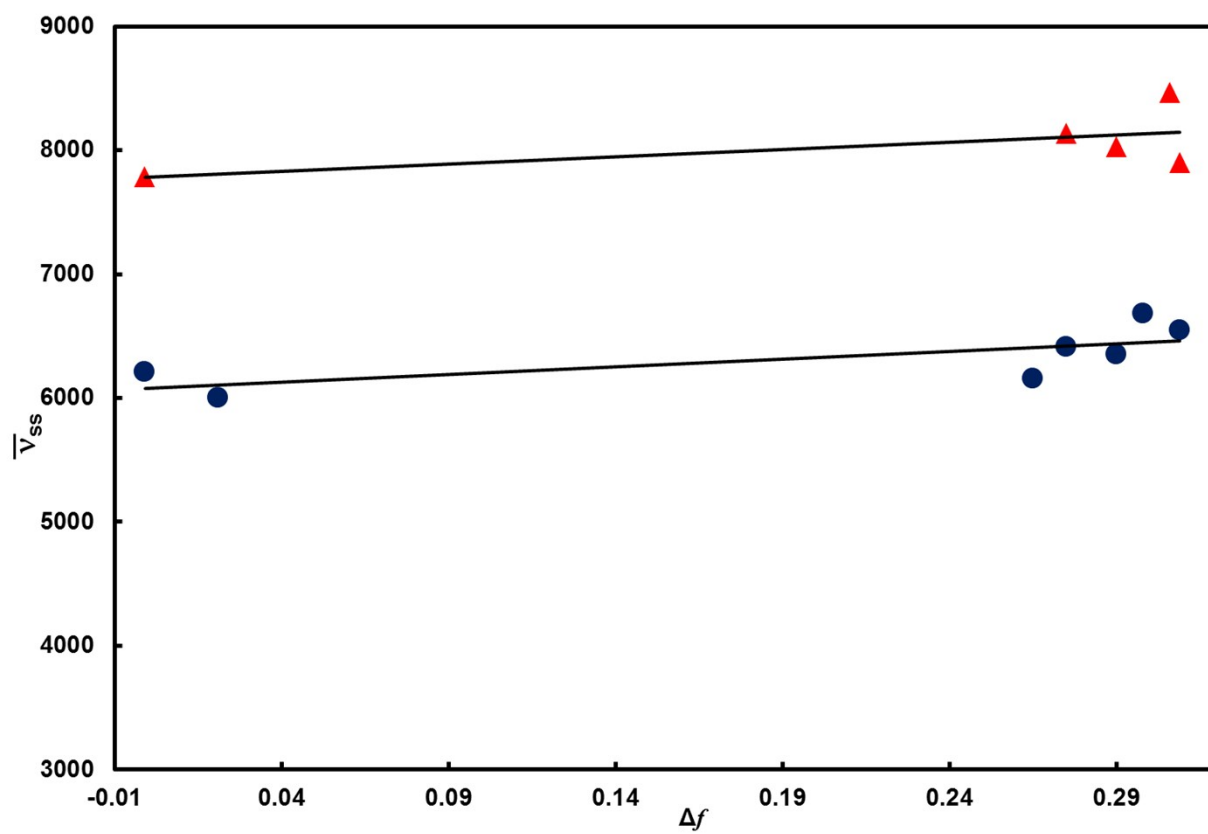


Fig. S5. Lippert-Mataga plot for DMAPIP-ImMe (\blacktriangle) and DMAPIP-PyMe (\bullet)

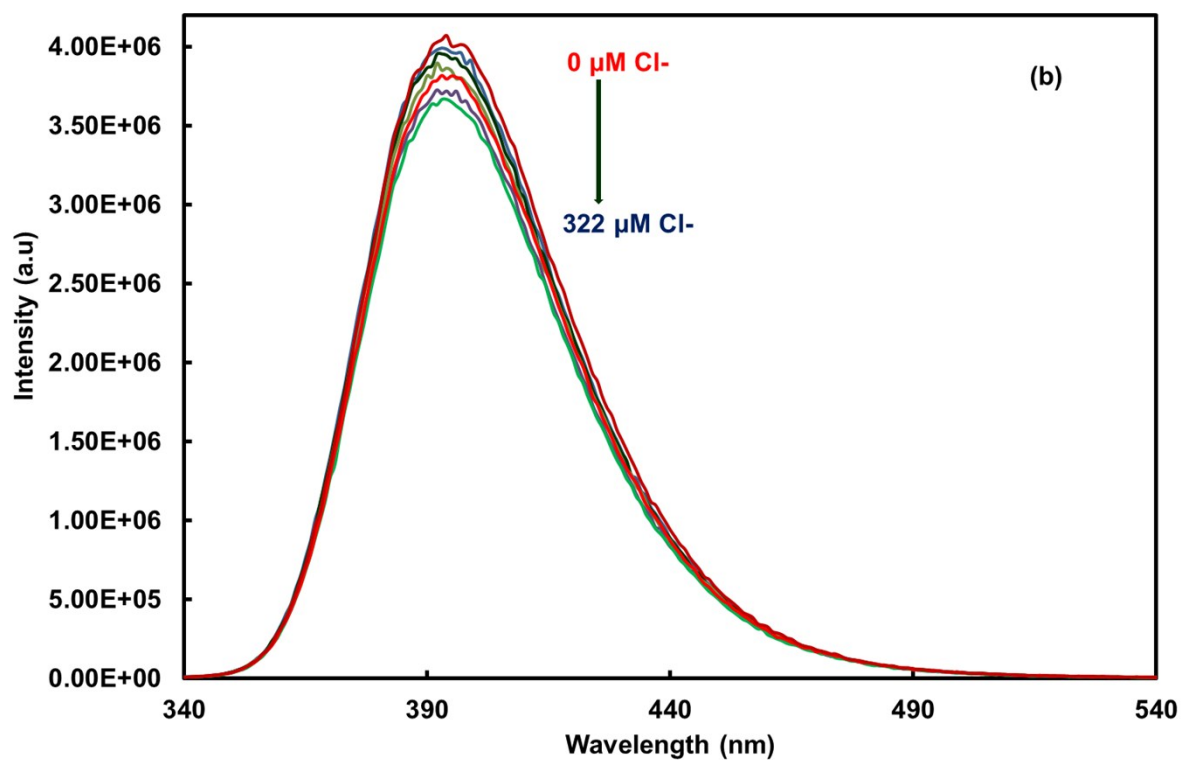
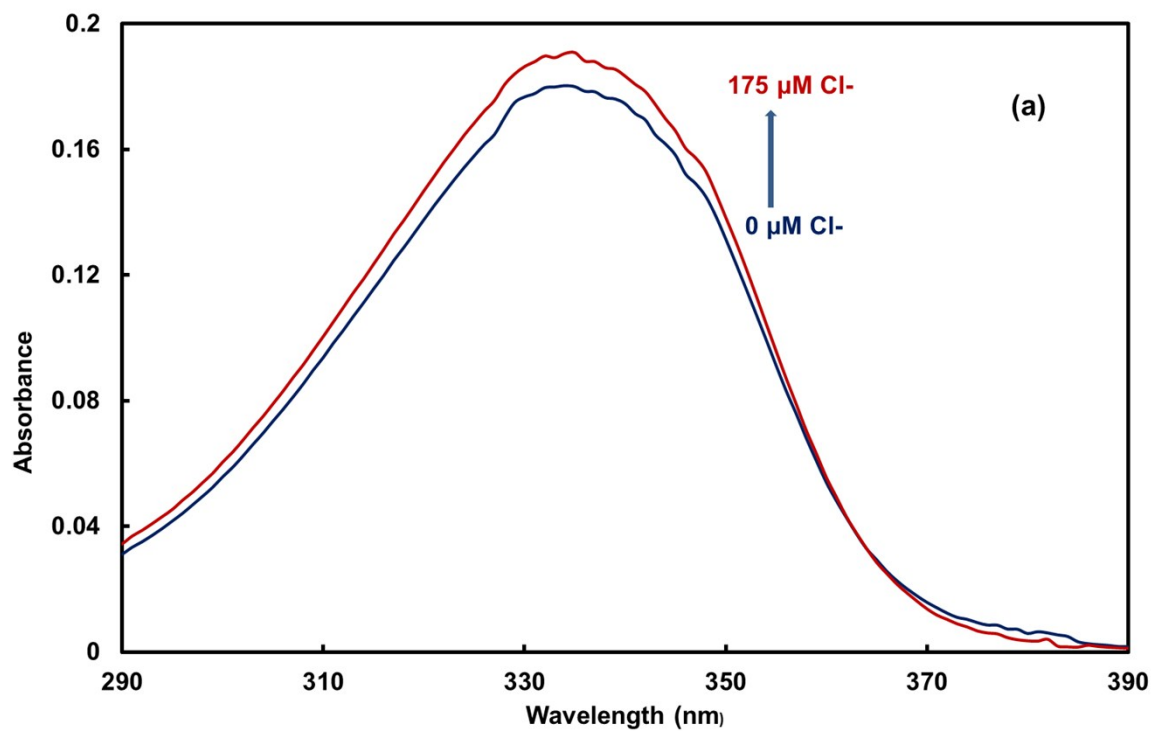


Fig. S6. (a) Absorption spectra and (b) Fluorescence spectra of DMAPIP-c at different chloride ion concentration in acetonitrile ($\lambda_{\text{exc}} = 330 \text{ nm}$).