Synthesis, Characterization, and Crystal Structures of Imides Condensed with \( p \)-Phenylamino(Phenyl) Amine and Fluorescence Property

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Table of Contents

S1. \(^1\)HNMR and \(^{13}\)CNMR spectra..........................................................P 1–6
S2. HRMS spectra......................................................................................P 7–8
S3. IR spectra..........................................................................................P 9
S4. TGA spectra..........................................................................................P 10
S5. UV-vis spectra.......................................................................................P 11–12
S6. Fluorescence spectra..............................................................................P 13–18
S7. DPV and CV spectra.............................................................................P 19–21
S1. $^1$H NMR and $^{13}$C NMR spectra

Figure S1. $^1$H NMR for 1 in DMSO-d$_6$ recorded on a 500M Hz spectrometer at 303 K.

Figure S2. $^{13}$C NMR for 1 in DMSO-d$_6$/TFA-d solvents recorded on a 300M Hz spectrometer at 303 K.
**Figure S3.** $^1$H NMR for 2 in DMSO-$d_6$ recorded on a 500M Hz spectrometer at 303 K.

**Figure S4.** $^{13}$C NMR for 2 in DMSO-$d_6$/TFA-$d$ solvents recorded on a 300M Hz spectrometer at 303 K.
Figure S5. $^1$H NMR for 3 in DMSO-d$_6$ recorded on a 500M Hz spectrometer at 303 K.

Figure S6. $^{13}$C NMR for 3 in DMSO-d$_6$/TFA-d solvents recorded on a 300M Hz spectrometer at 303 K.
Figure S7. $^1$H NMR for 4 in DMSO-d$_6$ recorded on a 500M Hz spectrometer at 303 K.

Figure S8. $^{13}$C NMR for 4 in DMSO-d$_6$/TFA-d solvents recorded on a 300M Hz spectrometer at 303 K.
Figure S9. $^1$H NMR for 5 in DMSO-d$_6$ recorded on a 500M Hz spectrometer at 303 K.

Figure S10. $^{13}$C NMR for 5 in DMSO-d$_6$/TFA-d solvents recorded on a 300M Hz spectrometer at 303 K.
Figure S11. $^1$H NMR for 6 in DMSO-d$_6$ recorded on a 500M Hz spectrometer at 303 K.

Figure S12. $^{13}$C NMR for 6 in DMSO-d$_6$/TFA-d solvents recorded on a 500M Hz spectrometer at 303 K.
S2. HRMS spectra

Figure S13. APCI for 1.

Figure S14. APCI for 2.

Figure S15. APCI for 3.
Figure S16. APCI for 4.

Figure S17. ESI for 5.

Figure S18. ESI for 6.
S3. IR spectra

**Figure S19.** FT-IR spectra of 1, 2, and 3 (KBr pellets).

**Figure S20.** FT-IR spectra of 4, 5, and 6 (KBr pellets).
S4. TGA spectra

![TGA spectra graph](image_url)

Figure S21. TGA curves for 1-6.
S5. UV-vis spectra

Figure S22. UV-vis spectra for 1–6 in DCM.

Figure S23. UV-vis spectra for 1–6 in THF.
Figure S24. UV-vis spectra for 1–6 in EtOH.

Figure S25. UV-vis spectra for 1–6 in CH₃CN.
S6. Fluorescence spectra

**Figure S26.** Normalized emission spectra of 2 were excited at 290 nm in CH$_3$CN (black), EtOH (red), THF (blue), and DCM (greenish blue), respectively at room temperature in air.

**Figure S27.** Normalized emission spectra of 3 were excited at 286 nm in CH$_3$CN (black), EtOH (red), THF (blue), and DCM (greenish blue), respectively at room temperature in air.
Figure S28. Normalized emission spectra of 4 were excited at 284 nm in CH$_3$CN (black), EtOH (red), THF (blue), and DCM (greenish blue), respectively at room temperature in air.

Figure S29. Normalized emission spectra of 5 were excited at 290 nm in CH$_3$CN (black), EtOH (red), THF (blue), and DCM (greenish blue), respectively at room temperature in air.
Figure S30. Normalized emission spectra of 6 were excited at 290 nm in CH₃CN (black), EtOH (red), THF (blue), and DCM (greenish blue), respectively at room temperature in air.
Figure S31. Emission photographs for 1–6 in DCM (top), EtOH (middle), and CH₃CN (bottom) excited at 254 nm (left) and 365 nm (right), respectively at room temperature in air.
Figure S32. Solid state emission spectra excited at 250 nm for 1–6 at room temperature in air.

Figure S33. Solid state emission spectra excited at 280 nm for 1–6 at room temperature in air.
Figure S34. Emission photographs for 1–6 in solid state with regular light (top), excited at 365 nm (middle), and 254 nm (bottom), respectively at room temperature in air.
S7. DPV and CV spectra

Figure S35. DPV in black dashed line and CV of 2 were measured in DMF with 0.1 M TBAPF6. CV of 2-Oxi in red solid line indicated oxidation run first and 2-Red in blue solid line indicated reduction run first. Pt wire, Pt disk, and Ag/AgCl were used for measurements with a scan rate of 0.1 Vs⁻¹.

Figure S36. DPV in black dashed line and CV of 3 were measured in DMF with 0.1 M TBAPF6. CV of 3-Oxi in red solid line indicated oxidation run first and 3-Red in blue solid line indicated reduction run first. Pt wire, Pt disk, and Ag/AgCl were used for measurements with a scan rate of 0.1 Vs⁻¹.
Figure S37. DPV in black dashed line and CV of 4 were measured in DMF with 0.1 M TBAPF$_6$. CV of 4-Oxi in red solid line indicated oxidation run first and 4-Red in blue solid line indicated reduction run first. Pt wire, Pt disk, and Ag/AgCl were used for measurements with a scan rate of 0.1 Vs$^{-1}$.

Figure S38. DPV in black dashed line and CV of 5 were measured in DMF with 0.1 M TBAPF$_6$. CV of 5-Oxi in red solid line indicated oxidation run first and 5-Red in blue solid line indicated reduction run first. Pt wire, Pt disk, and Ag/AgCl were used for measurements with a scan rate of 0.1 Vs$^{-1}$.
Figure S39. DPV in black dashed line and CV of 6 were measured in DMF with 0.1 M TBAPF6. CV of 6-Oxi in red solid line indicated oxidation run first and 6-Red in blue solid line indicated reduction run first. Pt wire, Pt disk, and Ag/AgCl were used for measurements with a scan rate of 0.1 Vs⁻¹.

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