Electronic Supplementary Information (ESI)

New thermal stability cyano-substituted D-A-π-A-D structural molecules with aggregation-induced emission and large two-photo absorption cross-sections

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![Figure S1. 1H NMR (400 MHz, CDCl\textsubscript{3}) spectrum of compound 4a.](image-url)
**Figure S2.** $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of compound 4a

**Figure S3.** ESI-MS spectrum of compound 4a.
**Figure S4.** $^1$H NMR (400 MHz, CDCl$_3$) spectrum of compound 4b.

**Figure S5.** $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of compound 4b.
Figure S6. ESI-MS spectrum of compound 4b.

Figure S7. $^1$H NMR (400 MHz, CDCl₃) spectrum of compound 4c.
Figure S8. $^{13}$C NMR (400 MHz, DMSO-$d_6$) spectrum of compound 4c.

Figure S9. ESI-MS spectrum of compound 4c.