Supporting information

Triindole-Cored Star-Shaped Molecules for Organic Solar Cells

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Figure S1. The transfer characteristic curves of spin-coated films of SM-1 (a) and SM-2 (b) on OTS-treated Si/SiO₂ substrates.

Figure S2. The output and transfer characteristic curves of the blend films of SM-1 and PC₇₁BM on OTS-treated Si/SiO₂ substrates. µ = 1.13 × 10⁻⁵ cm² V⁻¹ s⁻¹

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Figure S3. The output and transfer characteristic curves of the blend films of SM-1 and PC_{71}BM on OTS-treated Si/SiO_{2} substrates. $\mu = 2.05 \times 10^{-4}$ cm$^2$ V$^{-1}$ s$^{-1}$

Figure S4. DSC traces of SM-1 and SM-2 measured at a heating rate 20 °C/min and a N$_2$ flow of 50 mL/min.
Figure S5. The MAILD-TOF spectra of SM1
Figure S6. The high resolution MS of SM1
Figure S6. $^1$H NMR spectrum of SM-1 (measured in 1,2-dichlorobenzene-d$_4$ at 80 °C) and the assignment of the peaks.
Figure S7. $^1$H NMR spectrum of SM-1 (measured in 1,2-dichlorobenzene-d$_4$ at 80 °C).
Figure S8. $^{13}$C NMR spectrum of SM-1 (measured in 1,2-dichlorobenzene-$d_4$ at 80 $^\circ$C).