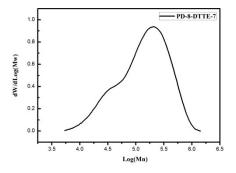
Supporting Information

Approaching high charge carrier mobility by alkylating both donor and acceptor units at optimized position in conjugated polymers

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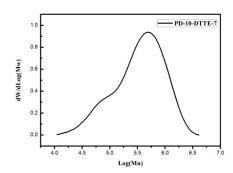


Fig. S1. GPC chromatograms of PD-n-DTTE-7.

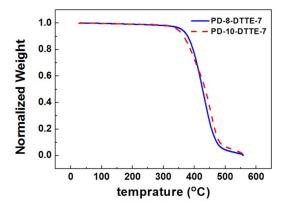


Fig. S2. TGA of PD-n-DTTE-7.

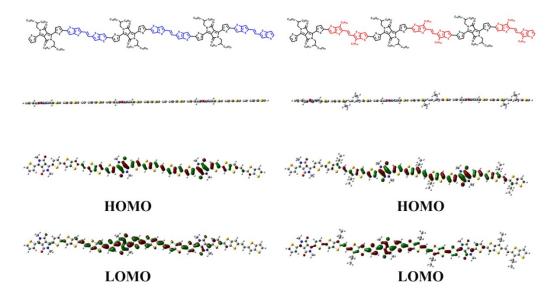


Fig. S3. Surface plots of HOMO (top) and LUMO (bottom) of the unalkylated trimers (left) and alkylated trimers (right).

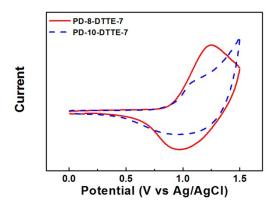


Fig. S4. Cyclic voltammogram of PD-n-DTTE-7 thin films.

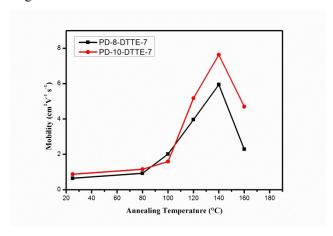
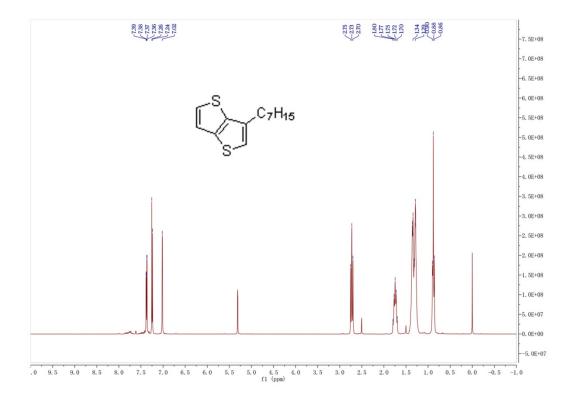
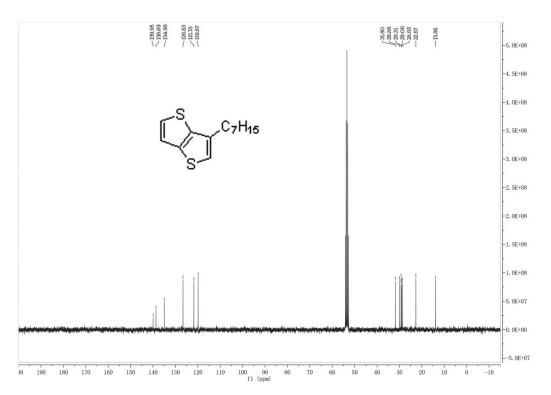
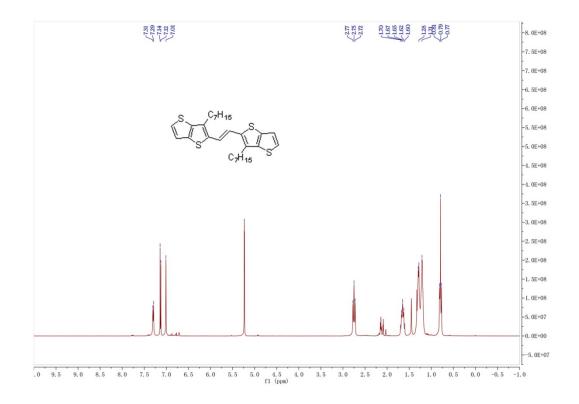


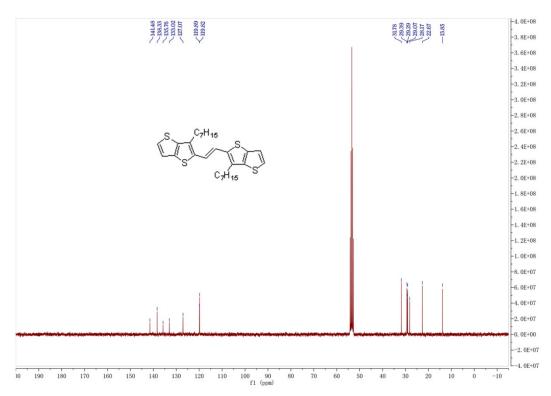
Fig. S5. OFET performances without annealing (25 °C) and with annealing at different temperatures.

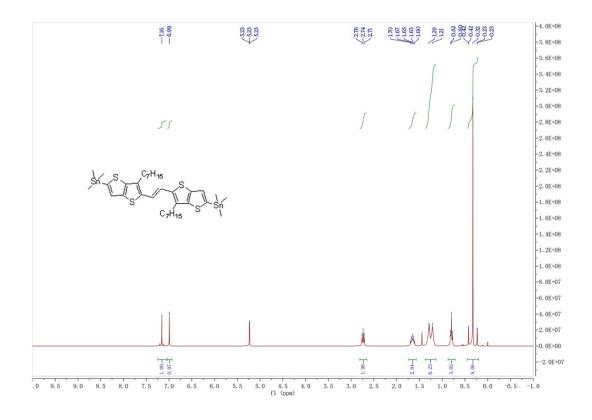
¹H and ¹³C NMR spectra

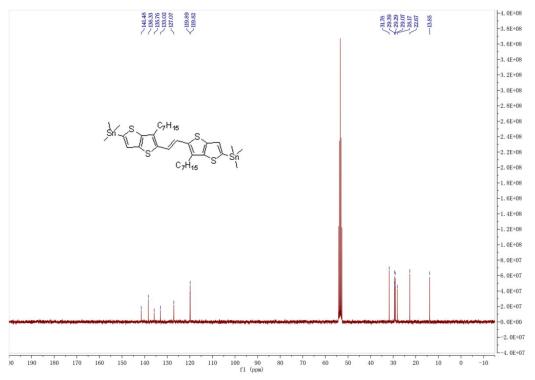


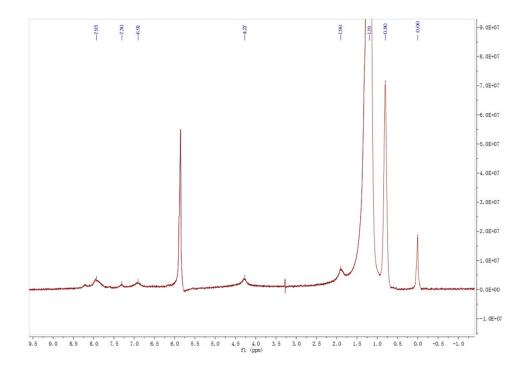












PD-10-DTTE-7

