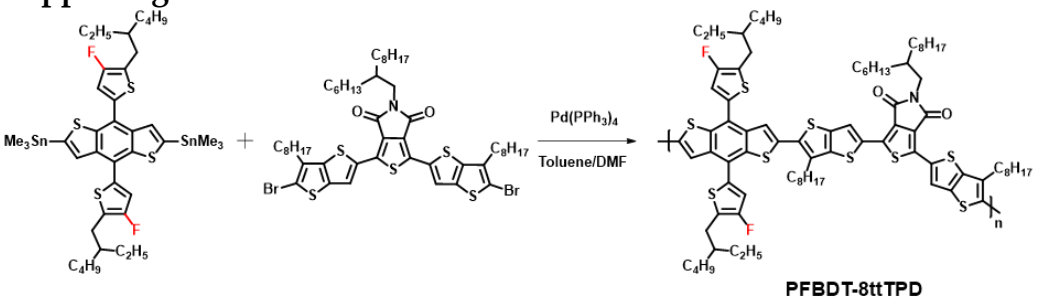
Supporting Information



Scheme S1. The synthetic route of PFBDT-8ttTPD.

Table S1. Comparison of the photodetection performance in the literature.

	λ [nm]	R [A W^{-1}]	D^* [×10^{13}Jones]	Bias [V]	Thickness [nm]	Ref.
PFBDT-8ttTPD :IT-4F	760	0.43	3.78	-2.0	450	In this work
PFBDT-8ttTPD :Y6	850	0.48	1.89	-2.0	450	In this work
PTZBTTT-BDT :PCBM	800	0.10	1.75	-2.0	70	42
PFT-OEHp :Y6	800	0.50	1.16	-0.1	170	43
P3HT :P1	810	0.47	0.0000216	-1.0	230	44
PDPP-isoindigo1 :PCBM	824	0.159	1.40	-0.1	190	45
ANPHSO :PCBM	840	0.07	0.06	-1.0	-	46
PDTT(P4) :PCBM	850	0.061	0.14	-0.1	120	47
PDT :PCBM	900	0.037	0.19	-0.1	-	48
PNIR :ITIC	900	0.04	0.032	-0.5	-	49
PF :IT-4F	750	0.37	3.39	-0.5	100	50

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