Supplementary information

Synthesis and non-volatile electrical memory characteristics of triphenylamine-based polyimides with flexibility segments

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Content

Figure S1. 1H NMR spectrum of compound (4) in DMSO-d6 ..........................................................2
Figure S2. 13C NMR spectrum of compound (4) in DMSO-d6 ..........................................................2
Figure S3. FT-IR spectrum of compound (4) .....................................................................................2
Figure S4. C-H HSQC spectrum of compound (4) in DMSO-d6 .........................................................3
Figure S5. Relationship between the ON/OFF ratio of current and the applied voltage .................3

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Figure S1. $^1$H NMR spectrum of compound (4) in DMSO-$d_6$.

Figure S2. $^{13}$C NMR spectrum of compound (4) in DMSO-$d_6$.

Figure S3. FT-IR spectrum of compound (4).
Figure S4. C-H HSQC spectrum of compound (4) in DMSO-\textit{d}_6.

Figure S5. Relationship between the ON/OFF ratio of current and the applied voltage for ITO/PI(TPA-PMDA)/Al and ITO/PI(TPA-BPDA)/Al, respectively.