

Supplementary Information

Design and synthesis of hyperbranched polyimide containing multi-triphenylamine moieties for memory device

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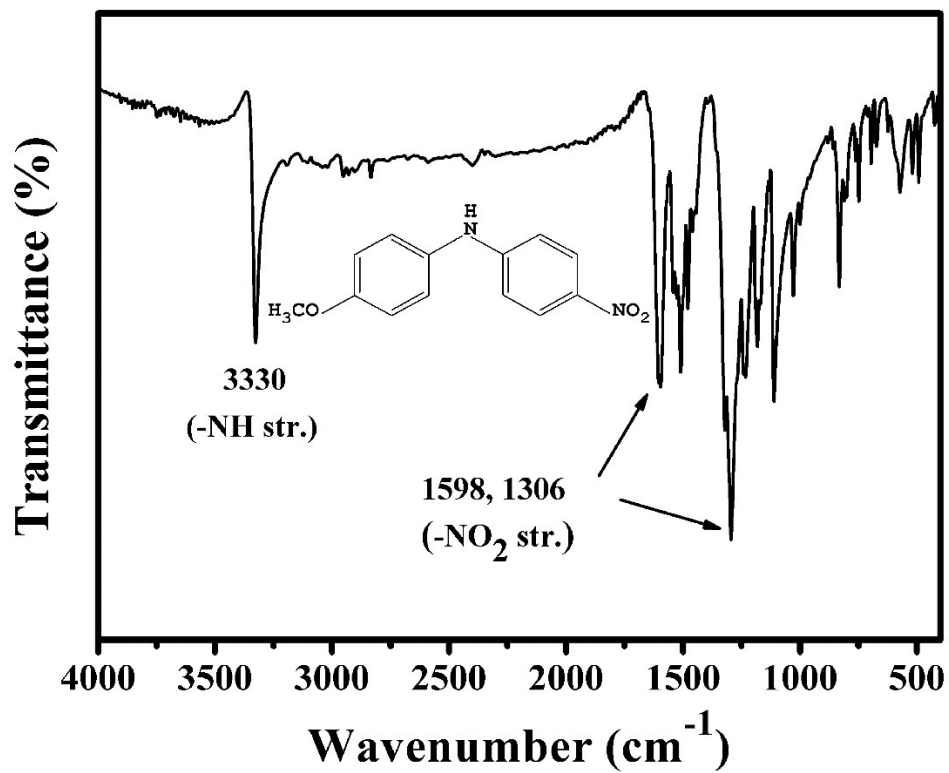


Fig. S1. FT-IR spectrum of 4-methoxy-4'-nitrodiphenylamine.

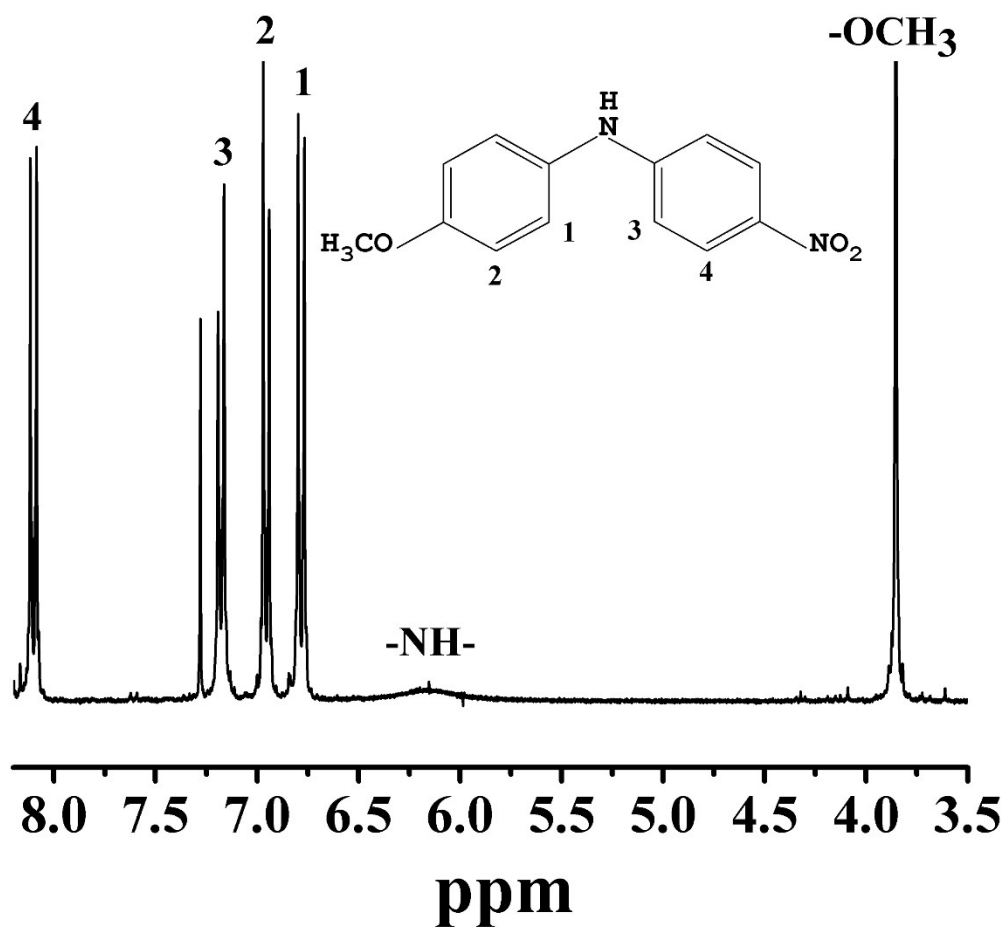


Fig. S2. ¹H NMR spectrum of 4-methoxy-4'-nitrodiphenylamine.

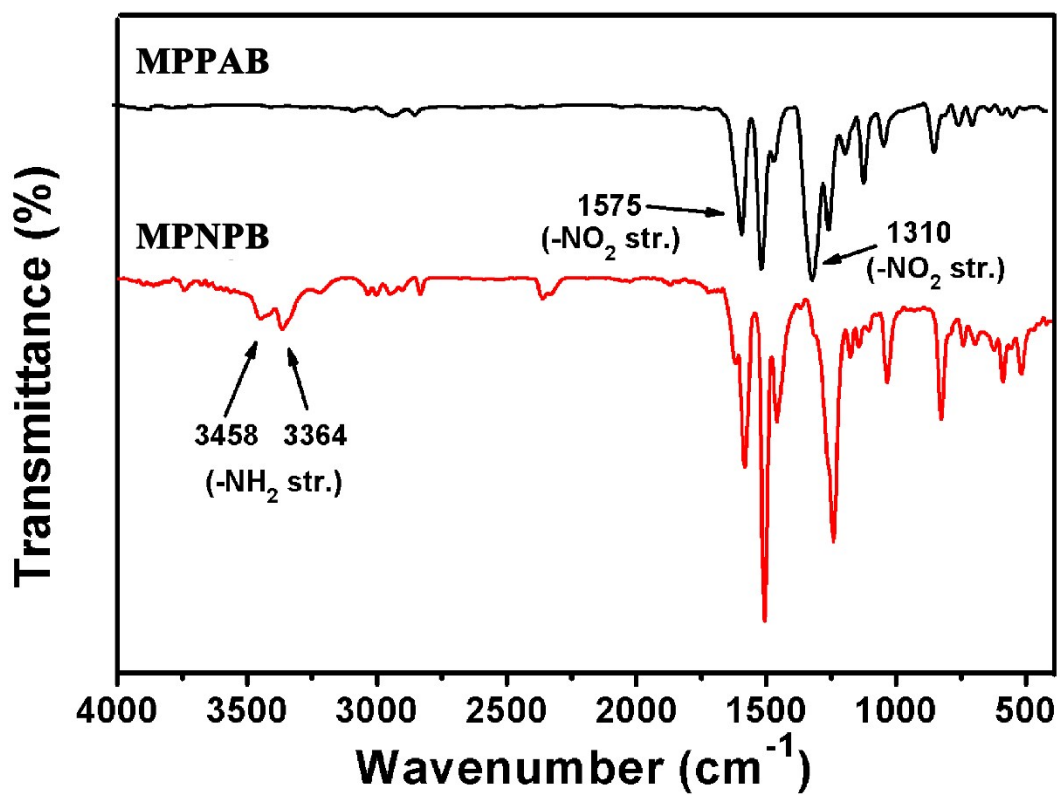


Fig. S3. FT-IR spectra of MPNPB and MPPAB.

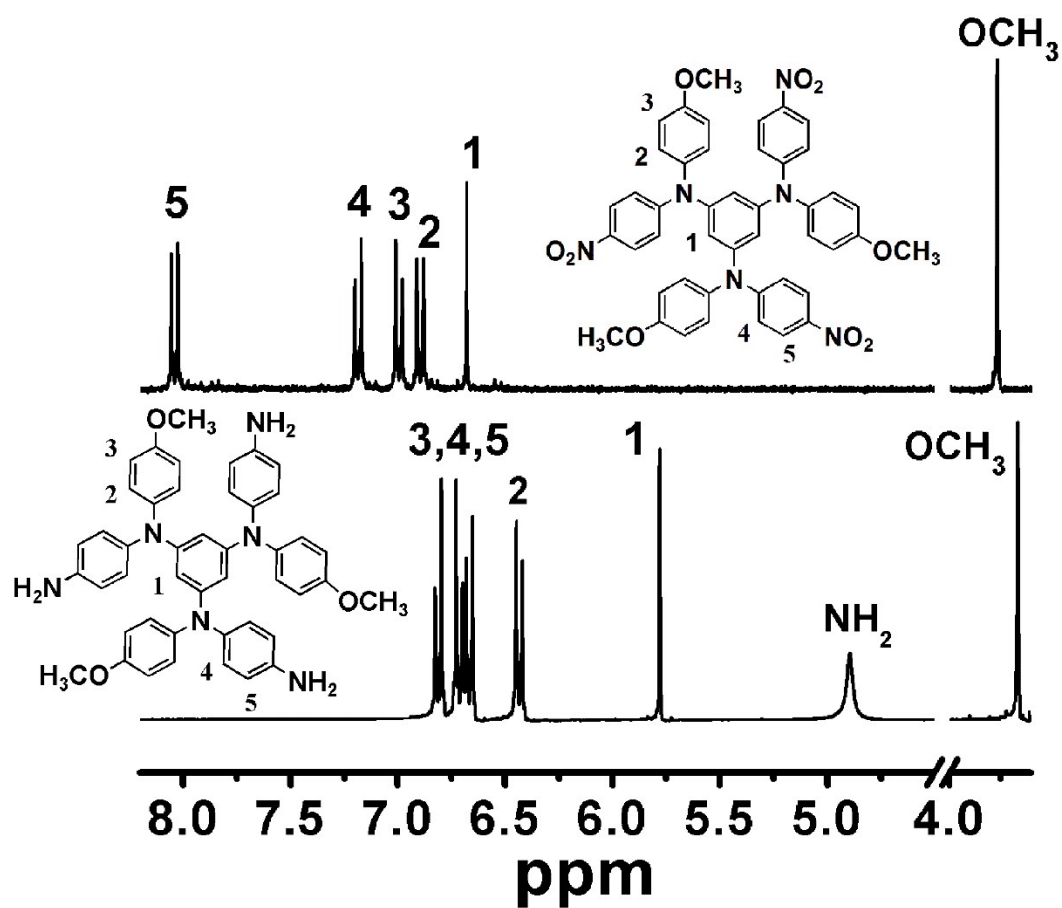


Fig. S4. ¹H NMR spectra of MPNPB and MPPAB.

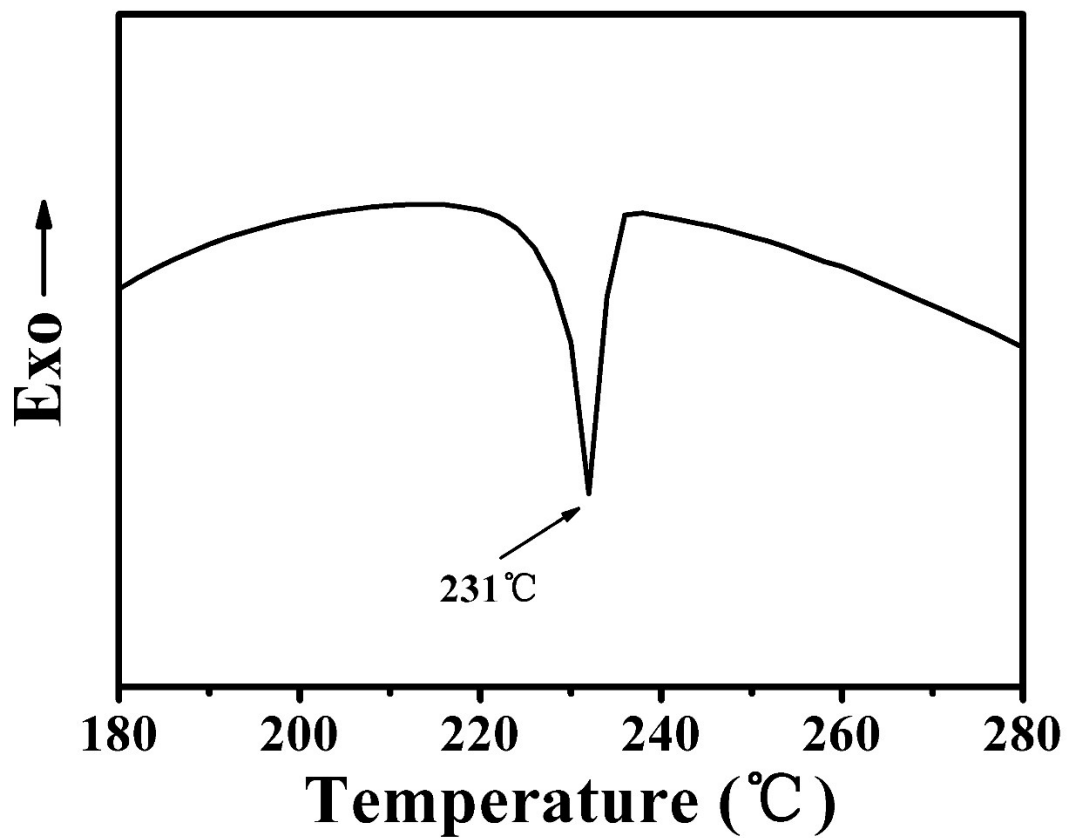


Fig. S5. The melting point of MPPAB monomer. The measurement was carried out at a rate of $10\text{ }^{\circ}\text{C min}^{-1}$ under nitrogen atmosphere.

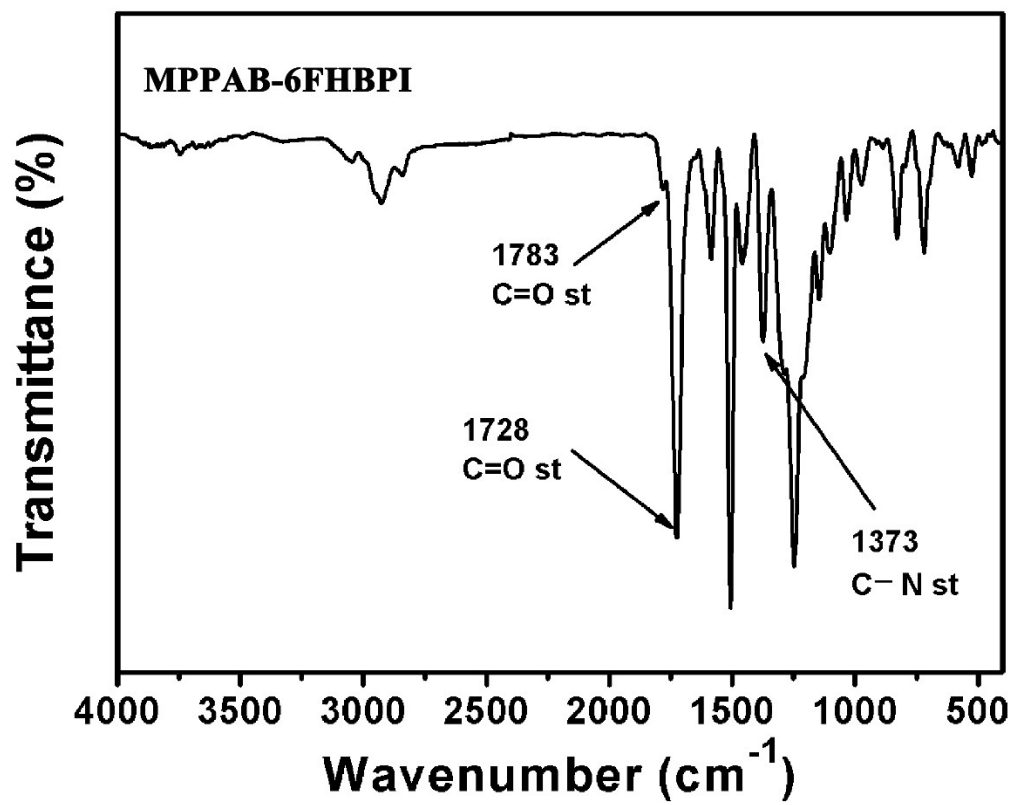


Fig. S6. FT-IR spectrum of MPPAB-6FHBPI.

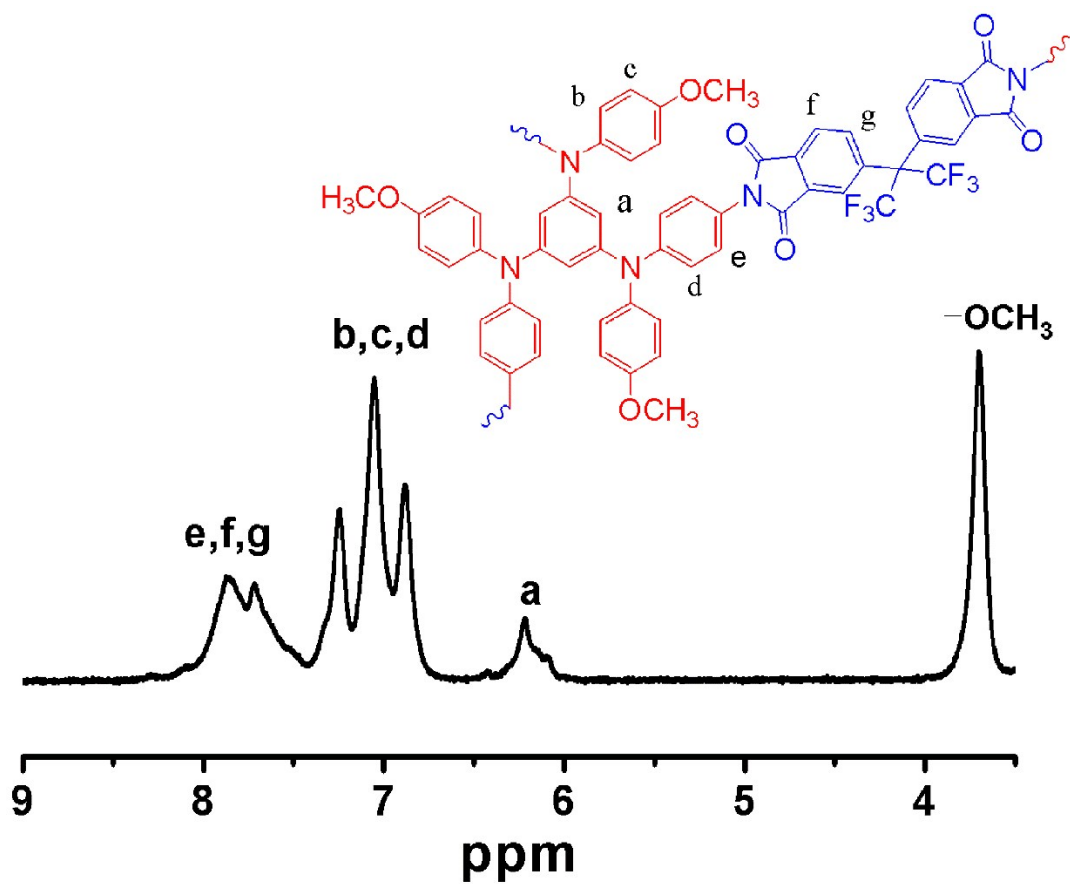


Fig. S7. ¹H NMR spectrum of MPPAB-6FHBPI.