Synthesis and properties of hyperbranched polyimides derived from tetra-amine and long-chain aromatic dianhydrides

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Supporting information

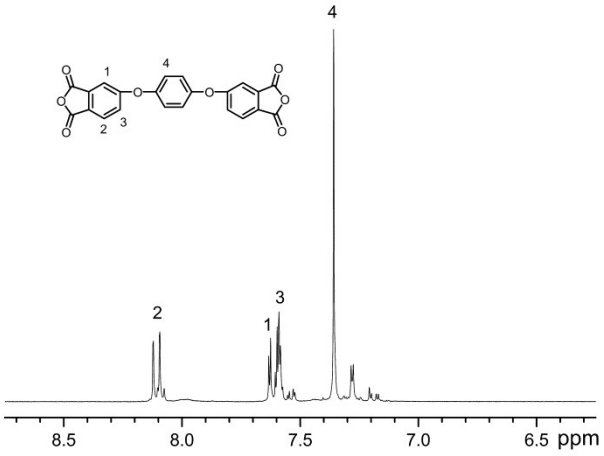

Fig. s1 [1]H NMR spectrum of 1 dianhydride.

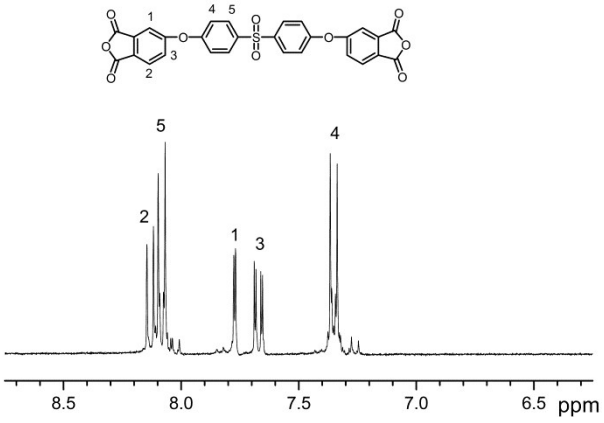

Fig. s2 [1]H NMR spectrum of 2 dianhydride.

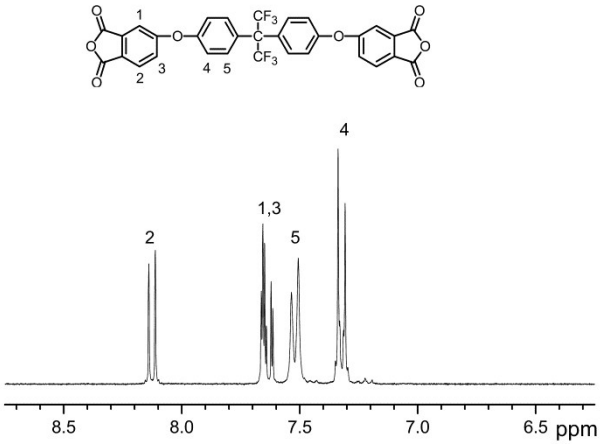

Fig. s3 [1]H NMR spectrum of 3 dianhydride.

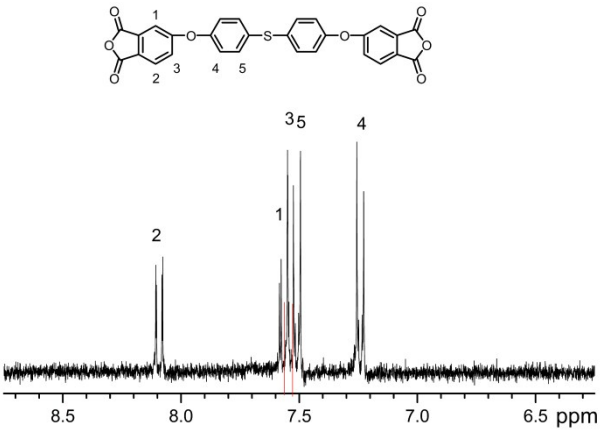

Fig. s4 [1]H NMR spectrum of 4 dianhydride.

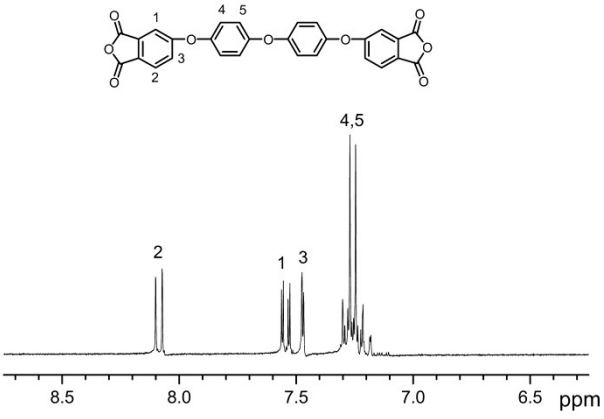

Fig. s5 [1]H NMR spectrum of 5 dianhydride.