

Supplementary information for

Synthesis of novel biobased polyimides derived from isomannide with good optical transparency, solubility and thermal stability

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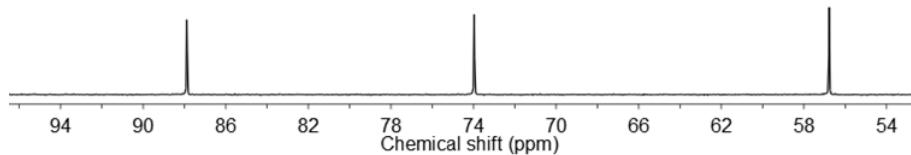


Fig. S1 ¹³C NMR spectrum of diamine **M1** (D_2O , 400 MHz).

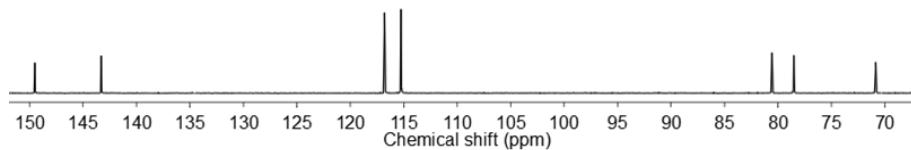


Fig. S2 ¹³C NMR spectrum of diamine **M2** ($\text{DMSO}-d_6$, 400 MHz).

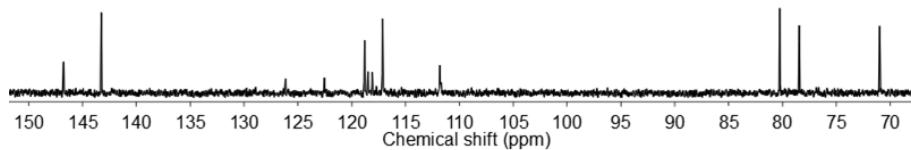


Fig. S3 ¹³C NMR spectrum of diamine **M3** ($\text{DMSO}-d_6$, 400 MHz).

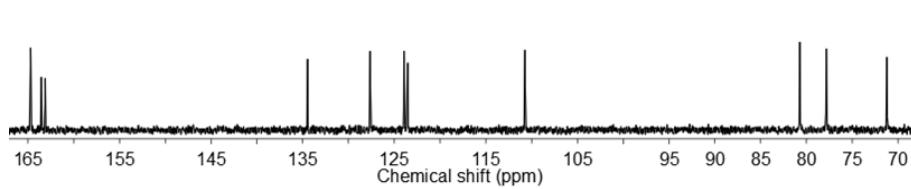


Fig. S4 ¹³C NMR spectrum of diamine **M4** ($\text{DMSO}-d_6$, 400 MHz).

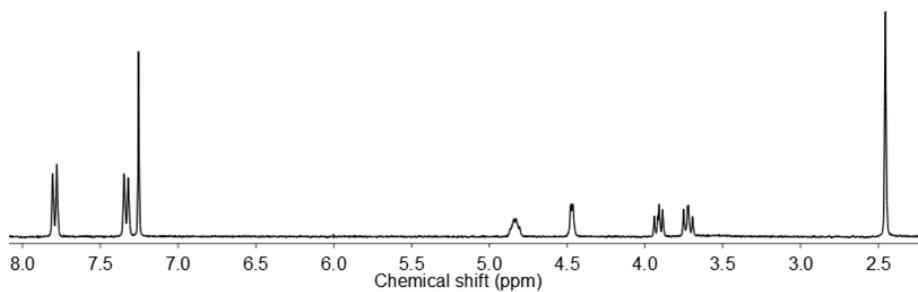


Fig. S5 ¹H NMR spectrum of compound 1 (CDCl₃, 400 MHz).

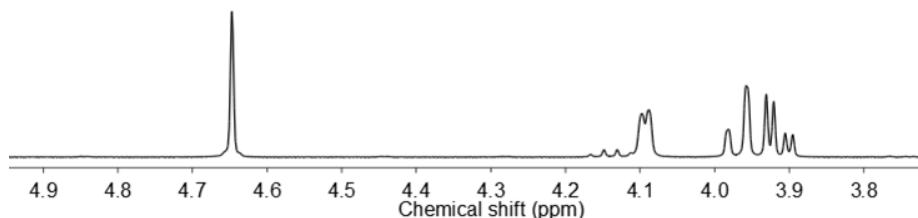


Fig. S6 ¹H NMR spectrum of compound 2 (CDCl₃, 400 MHz).

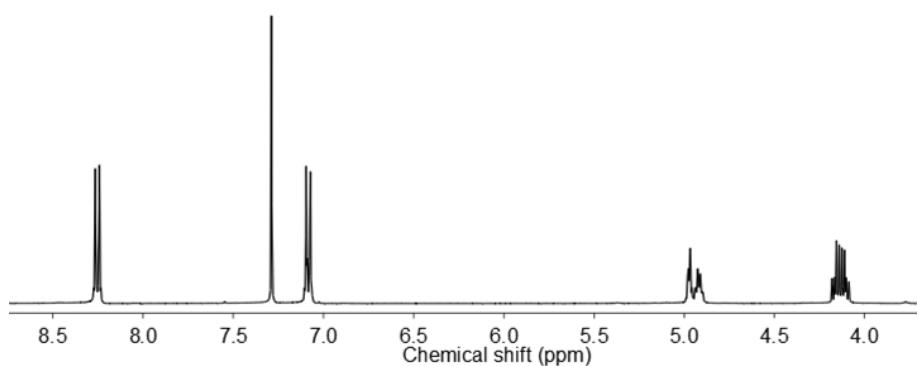


Fig. S7 ¹H NMR spectrum of compound 3 (CDCl₃, 400 MHz).

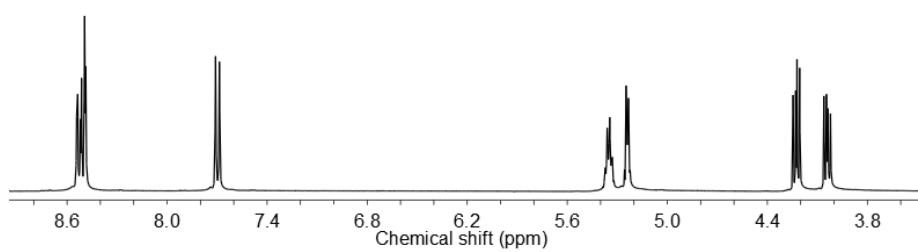


Fig. S8 ¹H NMR spectrum of compound 4 (CDCl₃, 400 MHz).

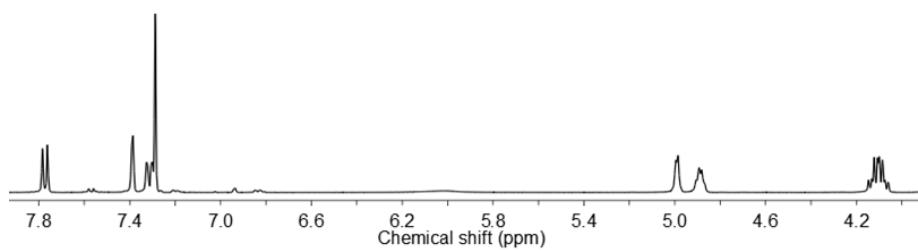


Fig. S9 ¹H NMR spectrum of compound 5 (CDCl₃, 400 MHz).

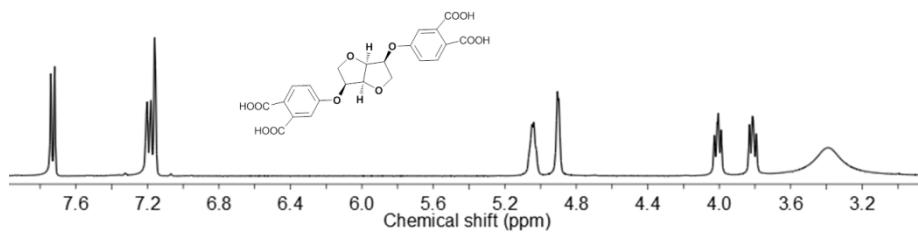


Fig. S10 ¹H NMR spectrum of the tetra-acid intermediate (CDCl₃, 400 MHz).