Biorenewable rosin derived benzocyclobutene resin: a thermosetting material with good hydrophobicity and low dielectric constant

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This electronic supplementary information is composed of the total of 6 pages, including 10 figures.

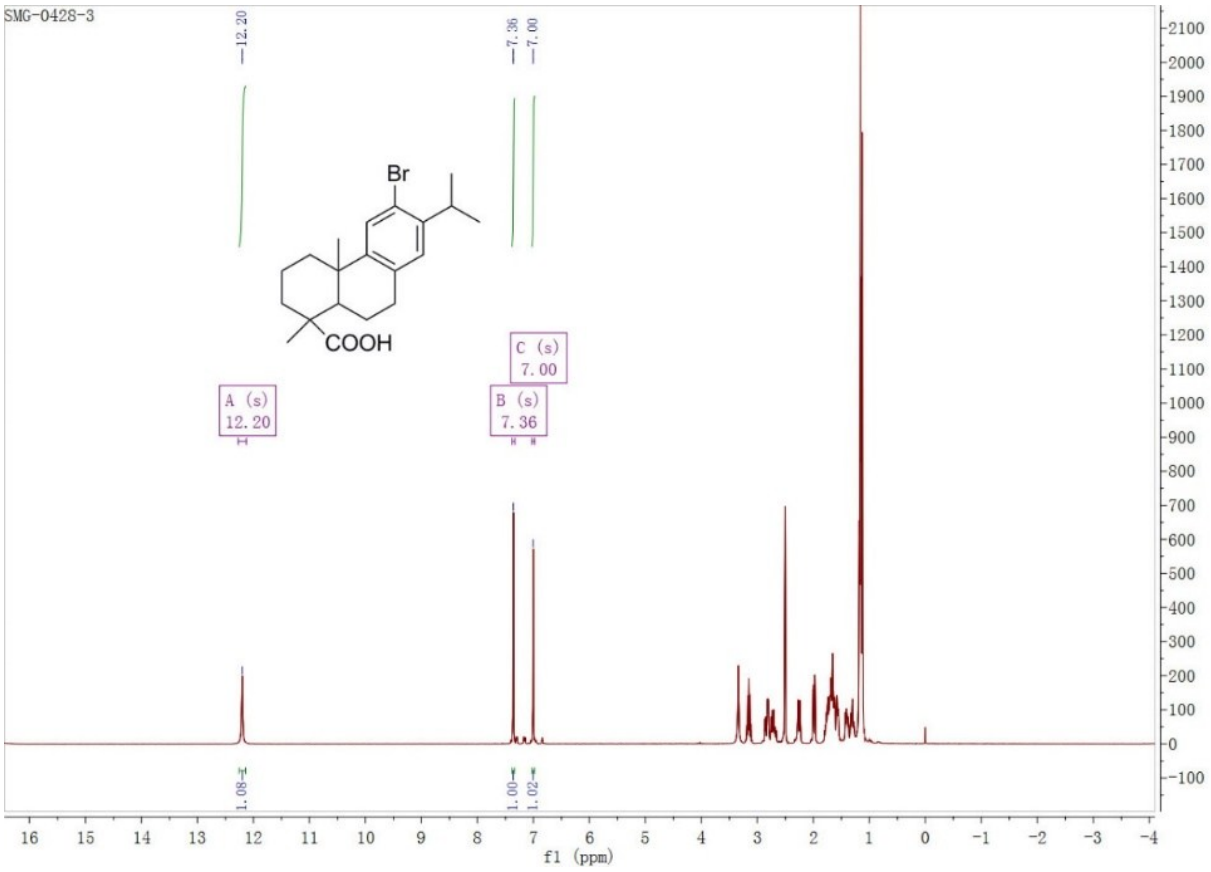

Fig. S1 ^{1}H NMR spectrum of Compound **1** (400 MHz, DMSO).

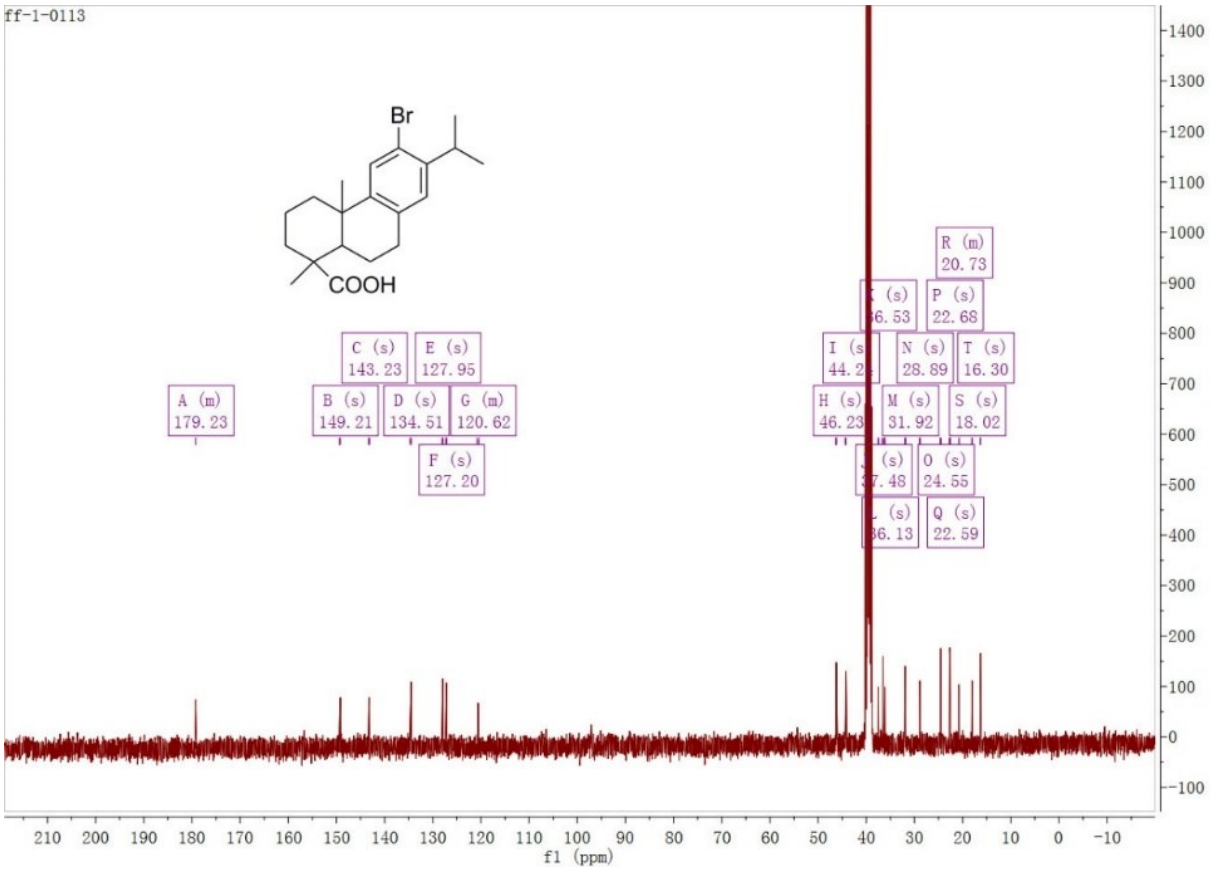

Fig. S2 ^{13}C NMR spectrum of Compound **1** (101 MHz, DMSO).

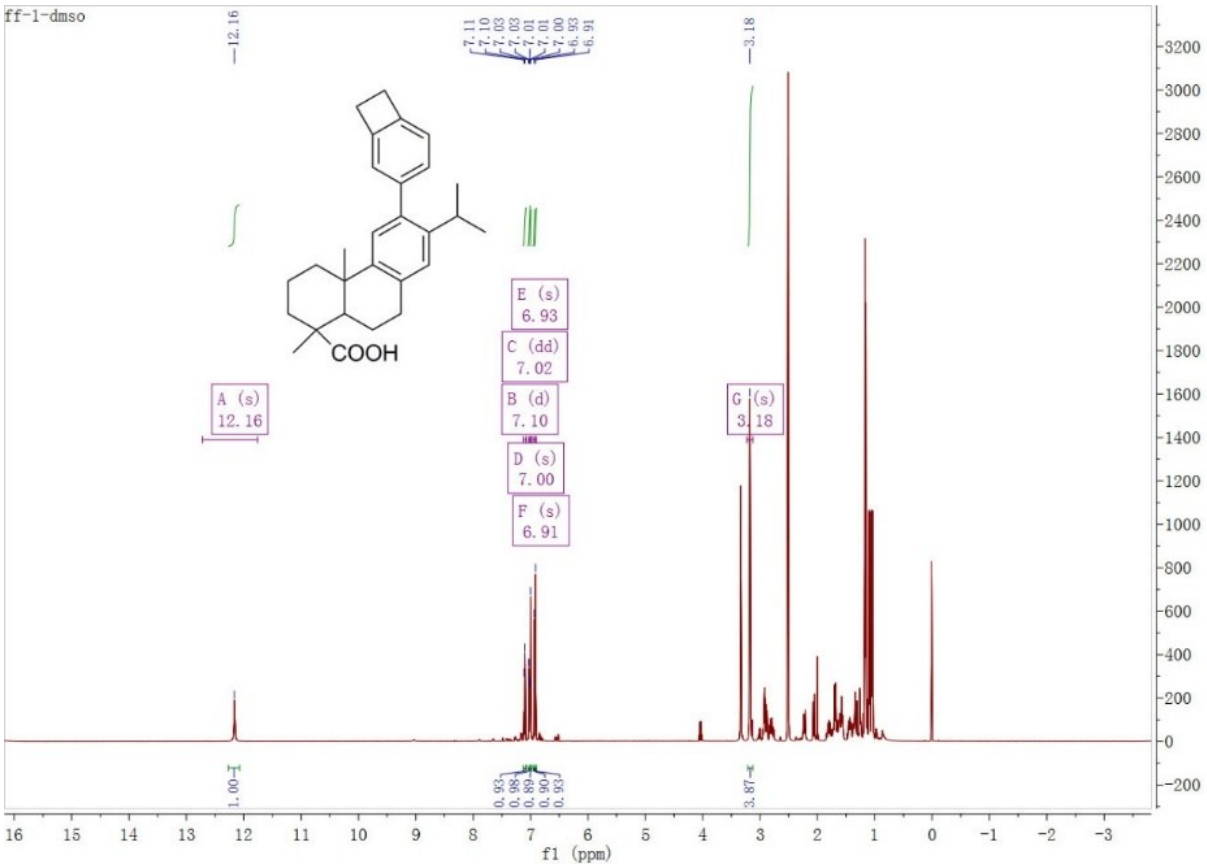

Fig. S3 ^{1}H NMR spectrum of Compound **2** (400 MHz, DMSO).

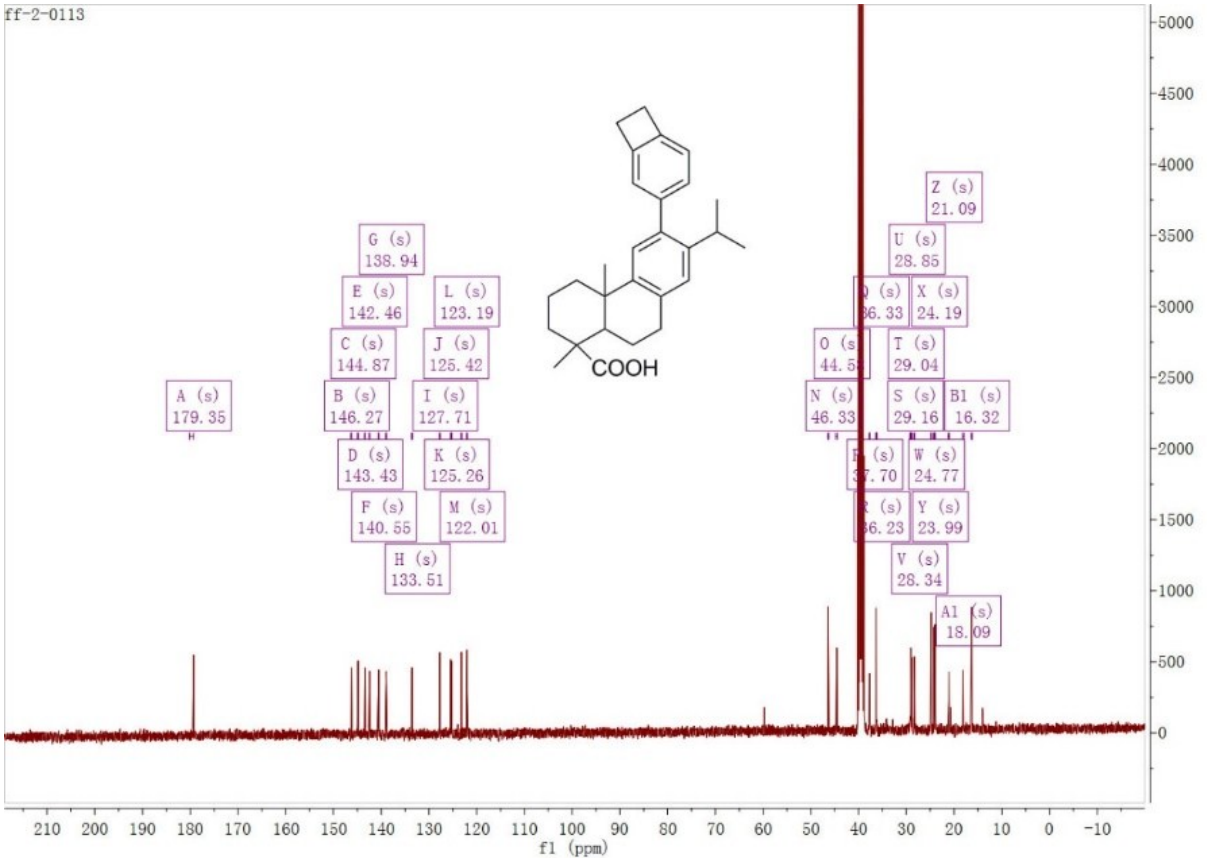

Fig. S4 ^{13}C NMR spectrum of Compound **2** (101 MHz, DMSO).

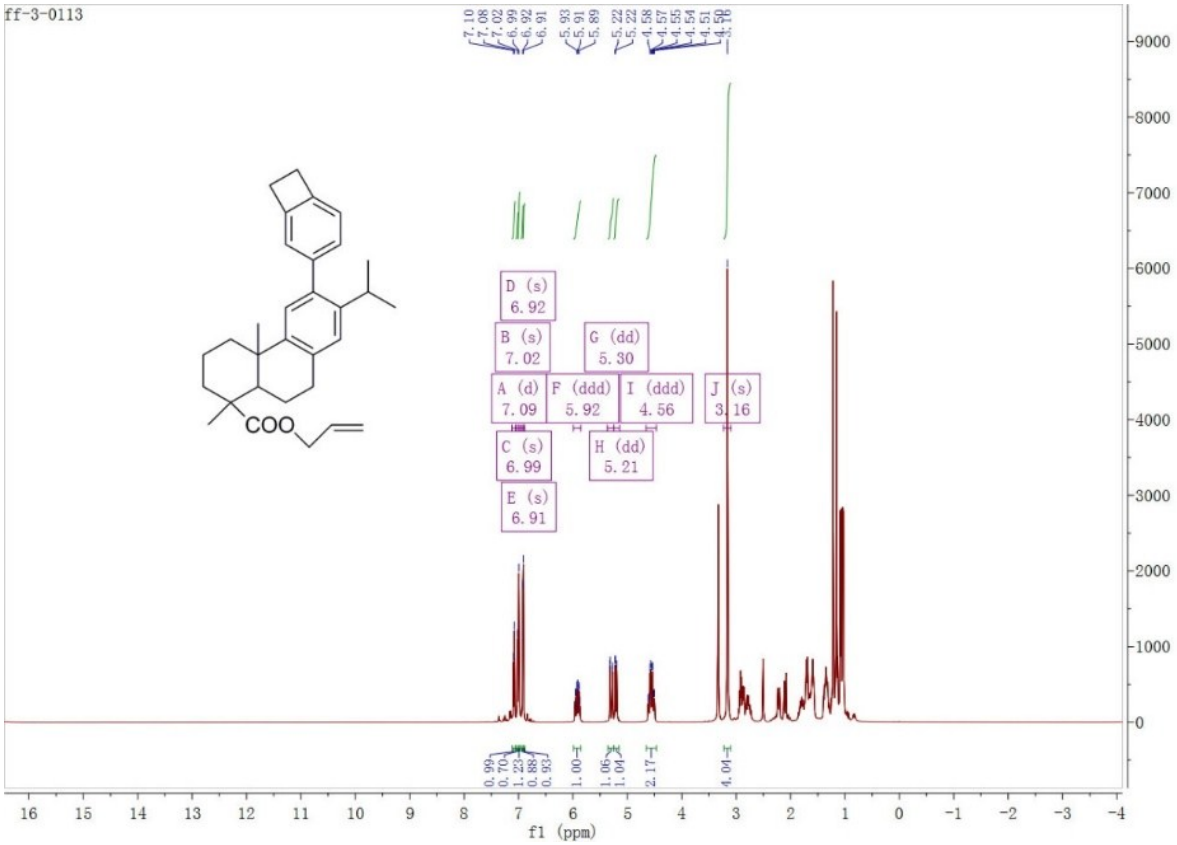

Fig. S5 ^{1}H NMR spectrum of Monomer **3** (400 MHz, DMSO).

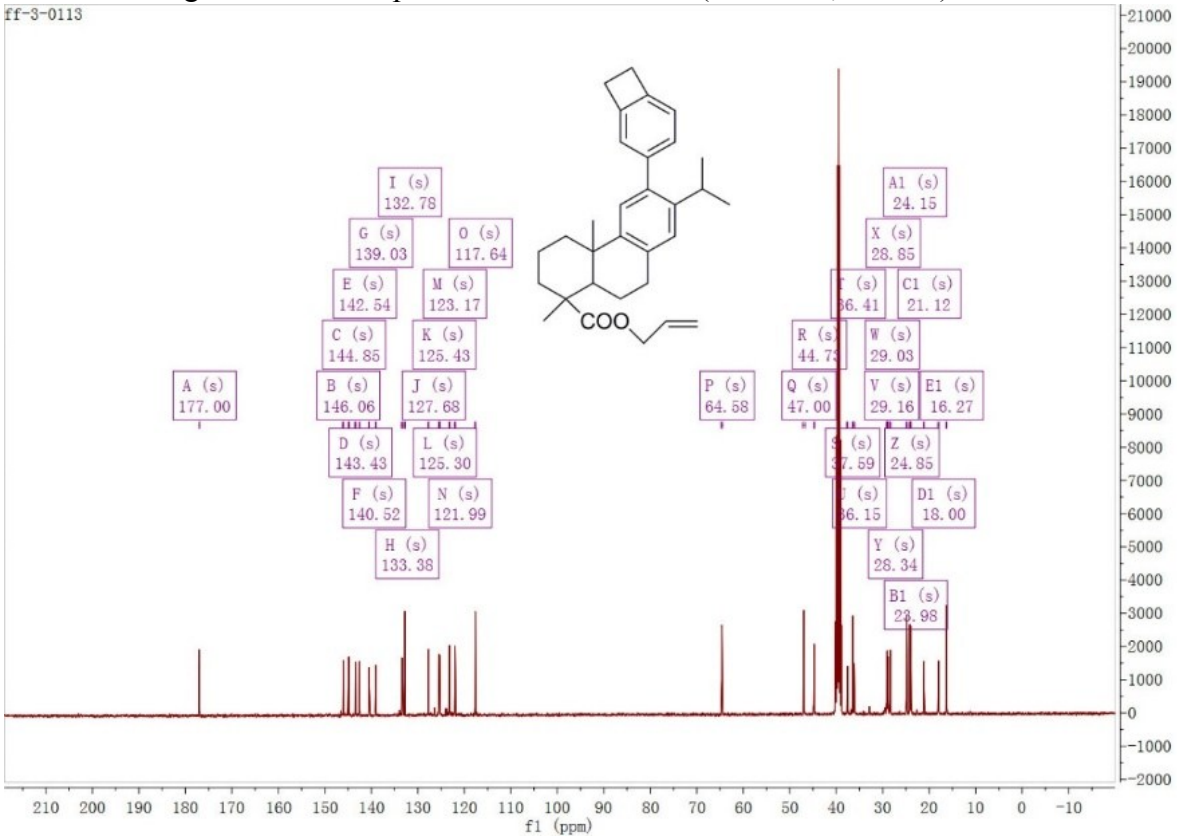

Fig. S6 ^{13}C NMR spectrum of Monomer **3** (101 MHz, DMSO).

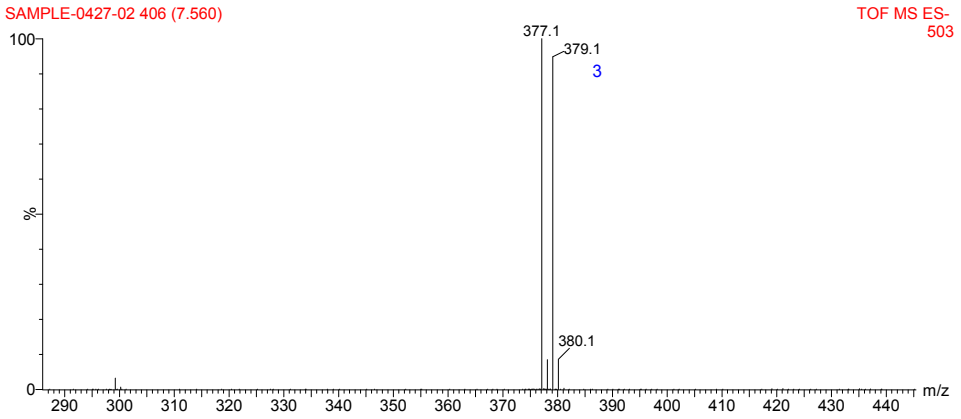

Fig. S7 MS spectrum of Compound **1**.

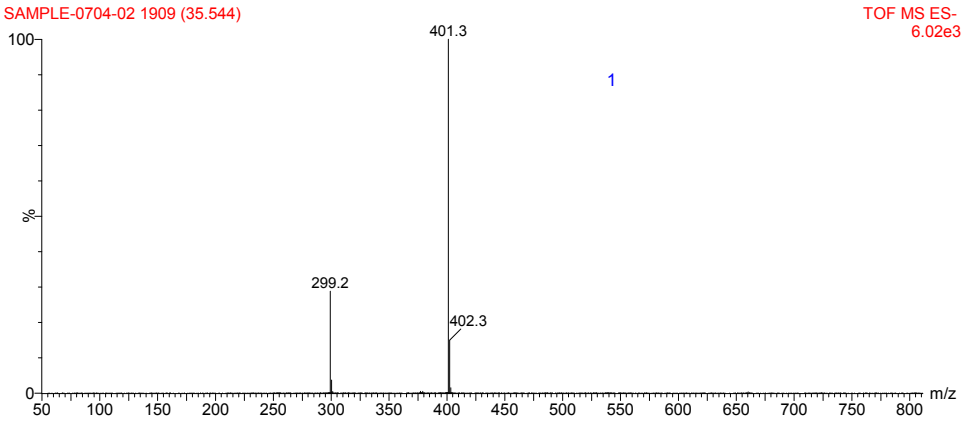

Fig. S8 MS spectrum of Compound **2**.

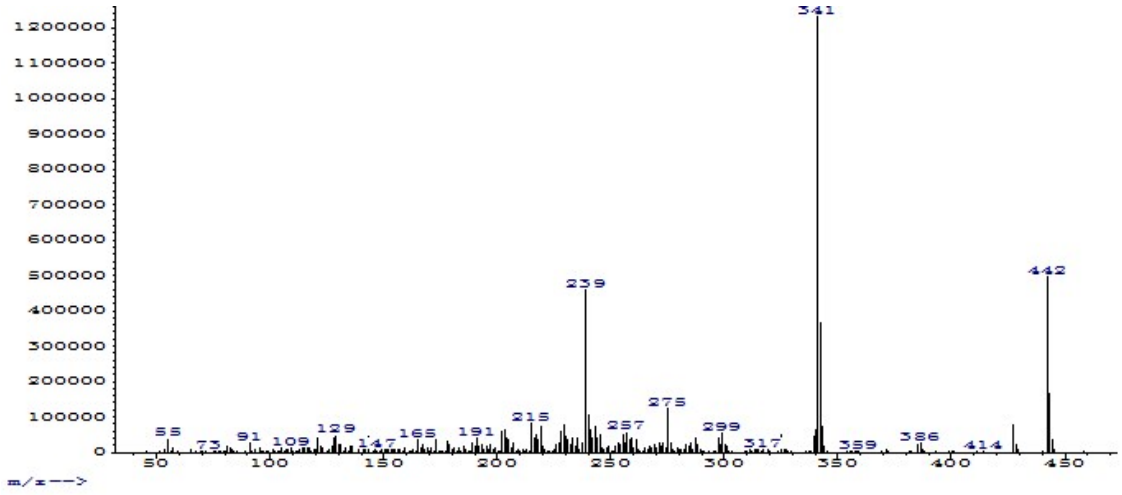

Fig. S9 MS spectrum of Monomer **3**.

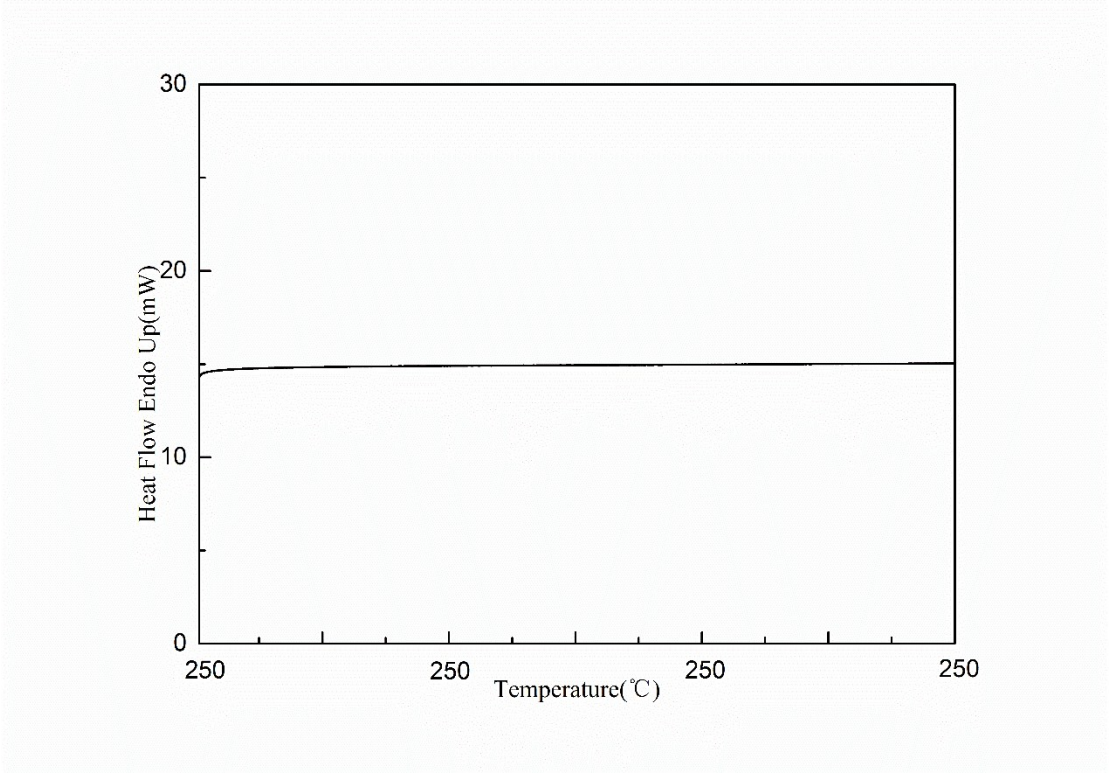

Fig. S10 DSC trace of polymerized the cured resin under N_2 at 250°C for 2 h.