

## Supporting Information

### Preparation of planar and hydrophobic benzocyclobutene based dielectric material from biorenewable rosin

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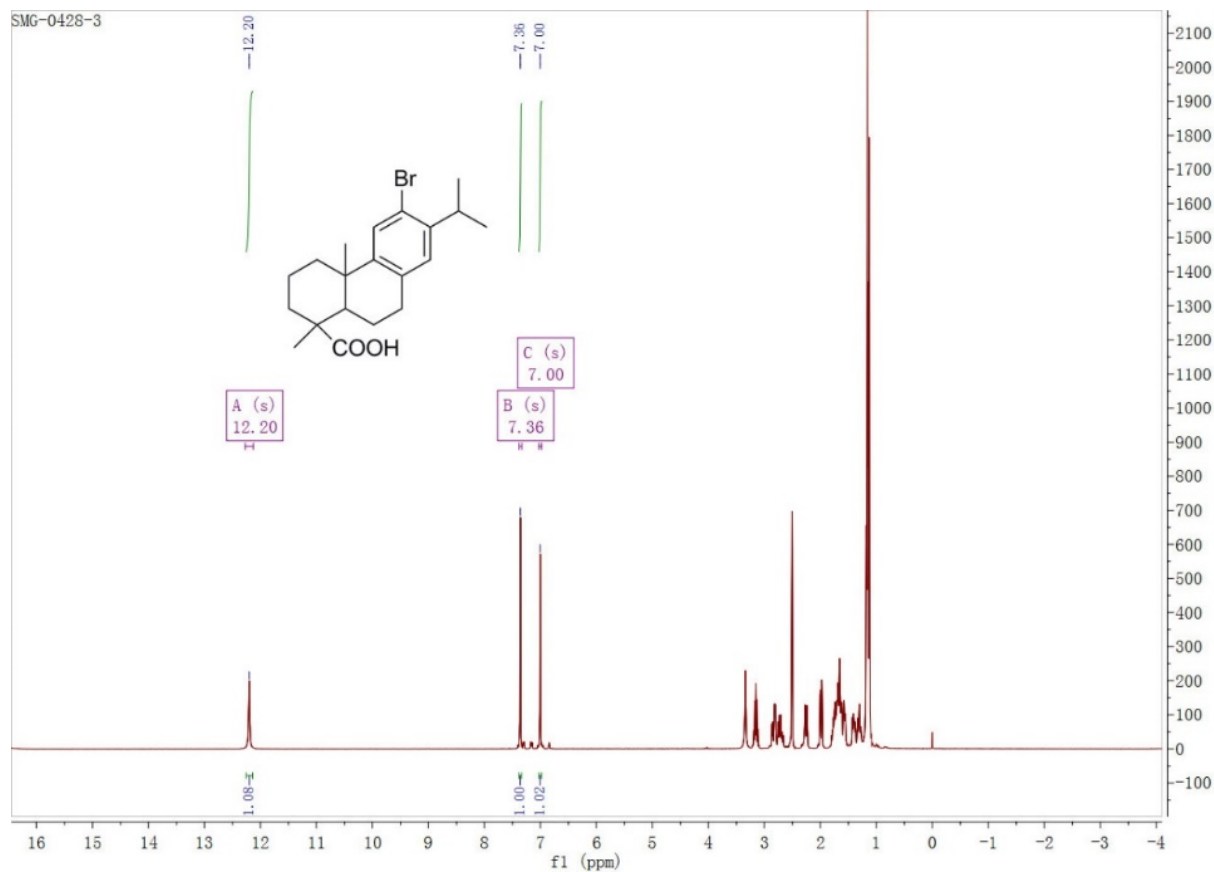
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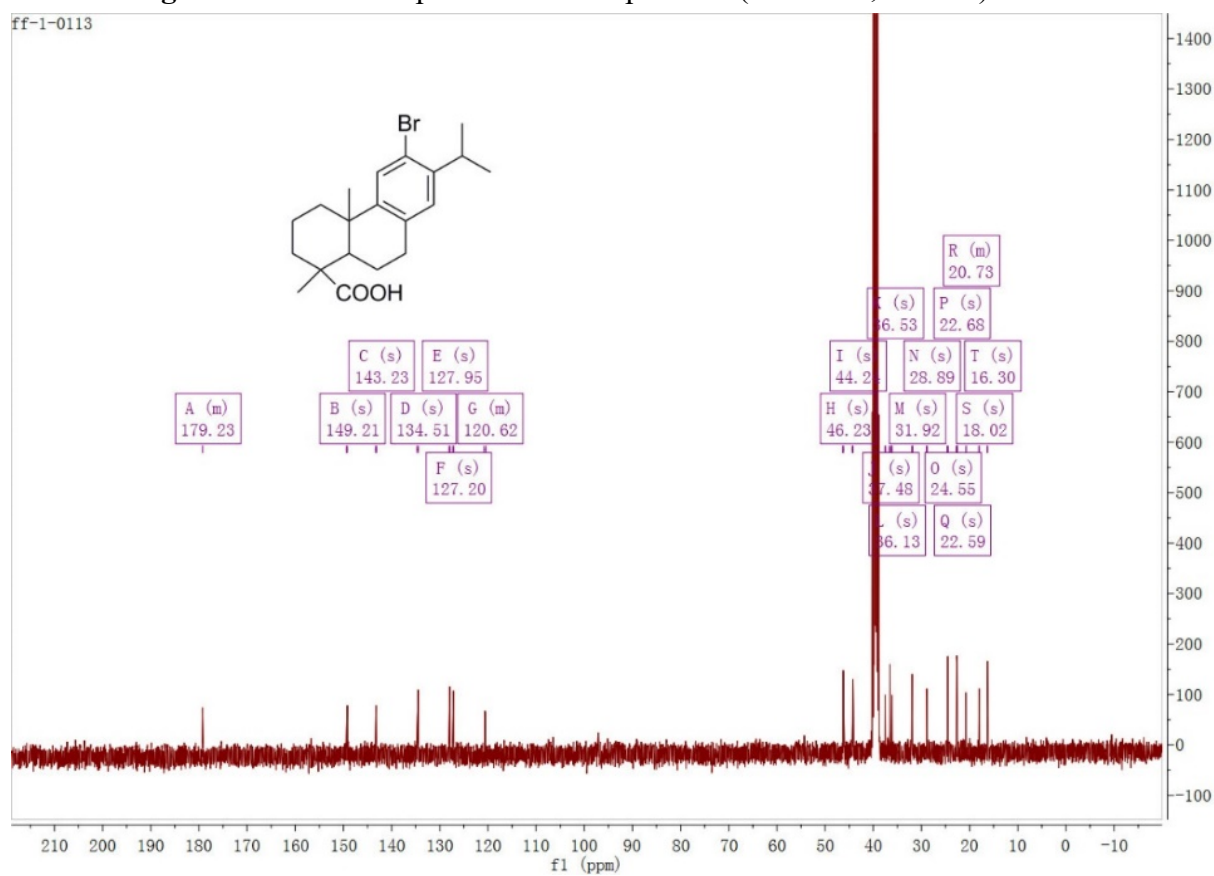
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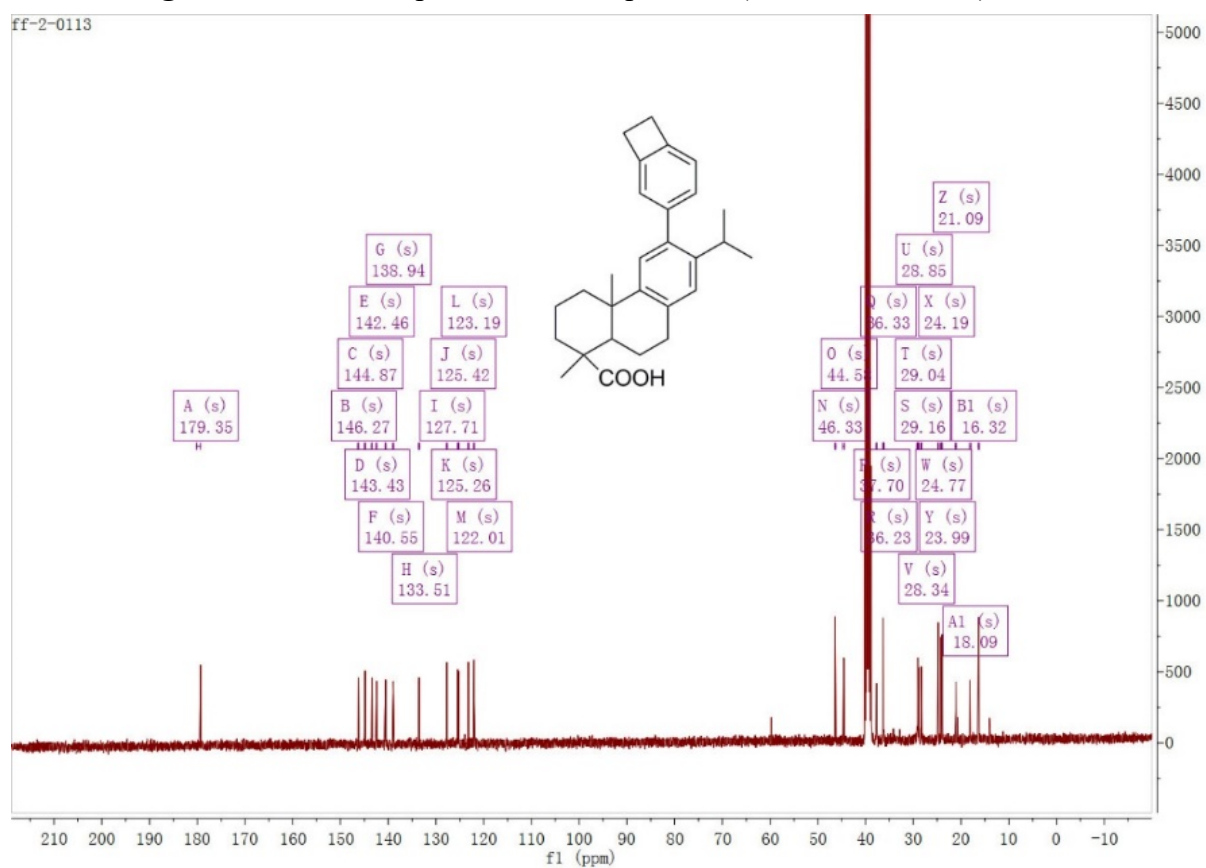
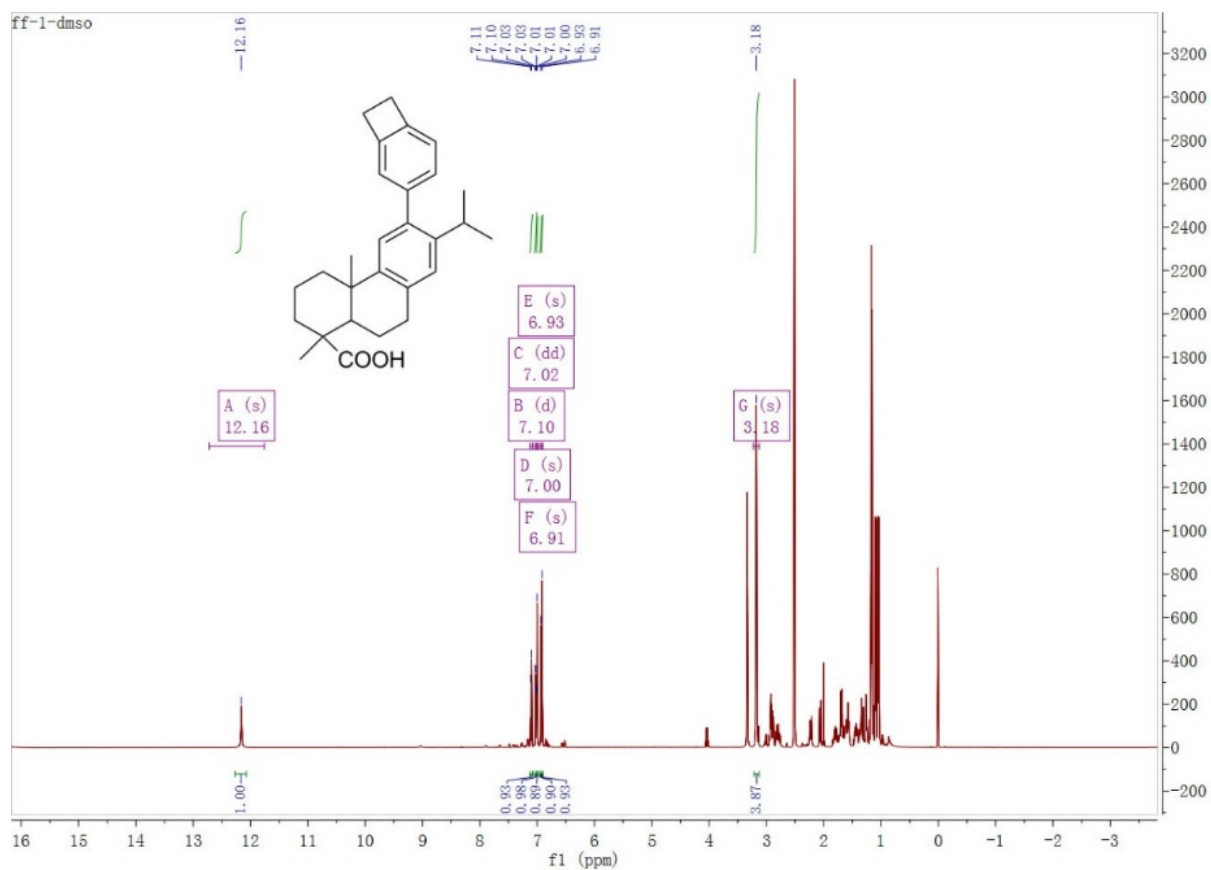
This supporting information is composed of the total of 6 pages, including 10 Figures.



**Figure S1.**  $^1\text{H}$  NMR spectrum of Compound **1** (400 MHz, DMSO).



**Figure S2.**  $^{13}\text{C}$  NMR spectrum of Compound **1** (101 MHz, DMSO).



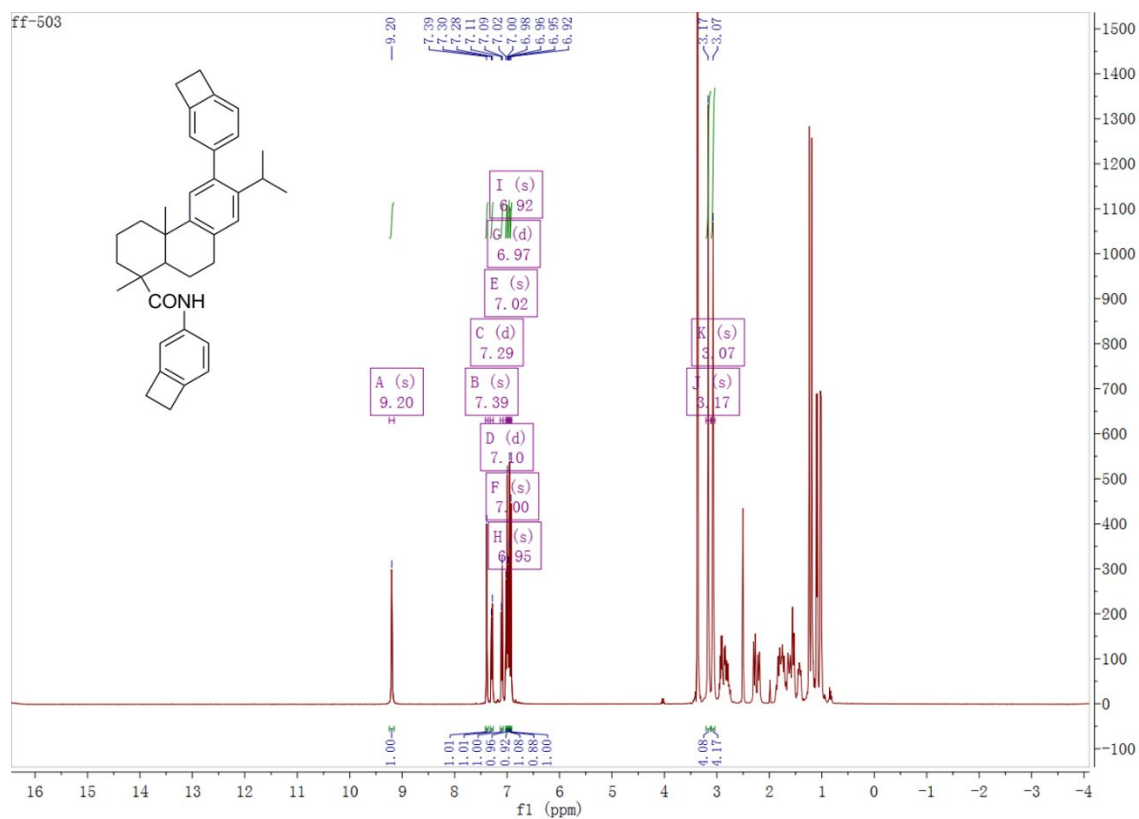


Figure S5.  $^1\text{H}$  NMR spectrum of Monomer 3 (400 MHz, DMSO).

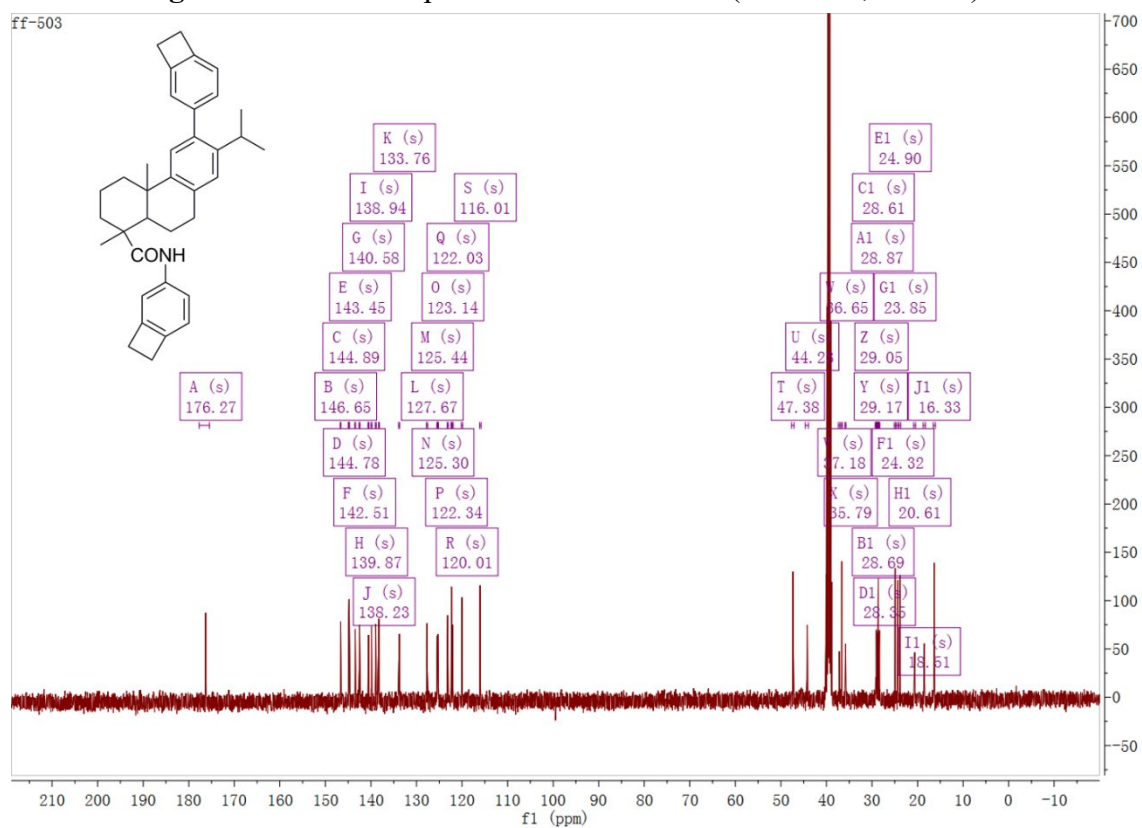


Figure S6.  $^{13}\text{C}$  NMR spectrum of Monomer 3 (101 MHz, DMSO).

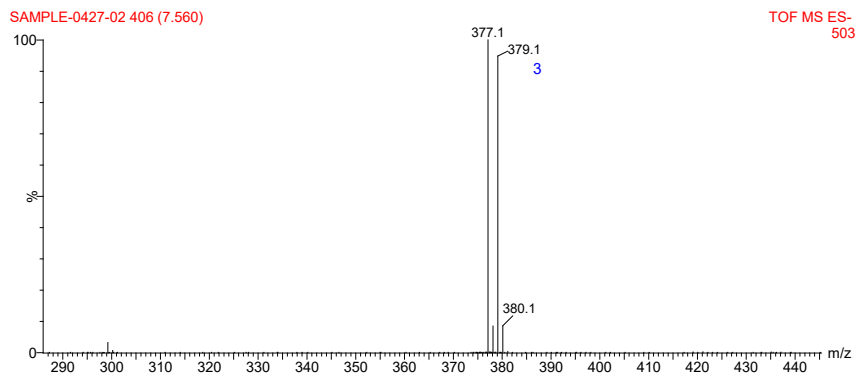


Figure S7. MS spectrum of Compound 1.

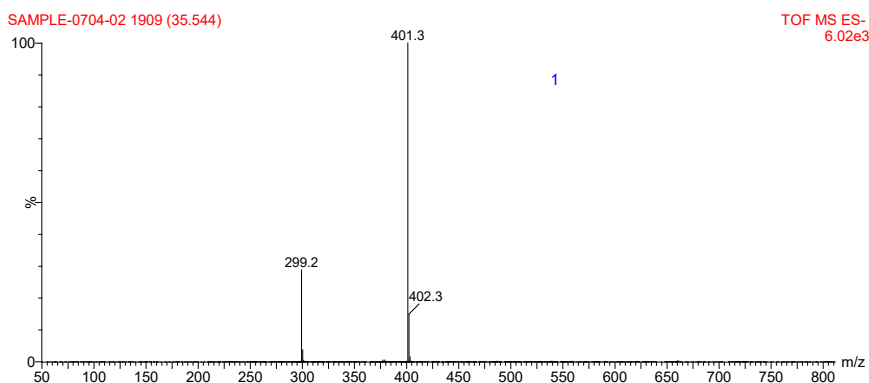


Figure S8. MS spectrum of Compound 2.

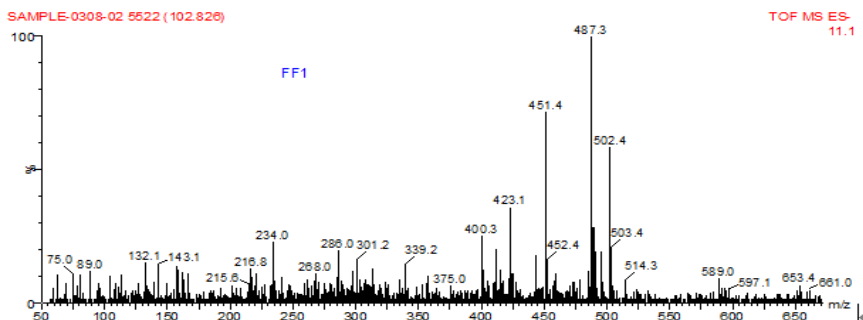
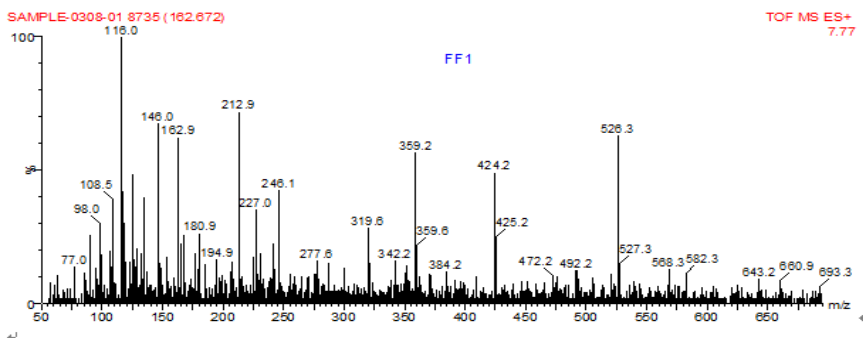
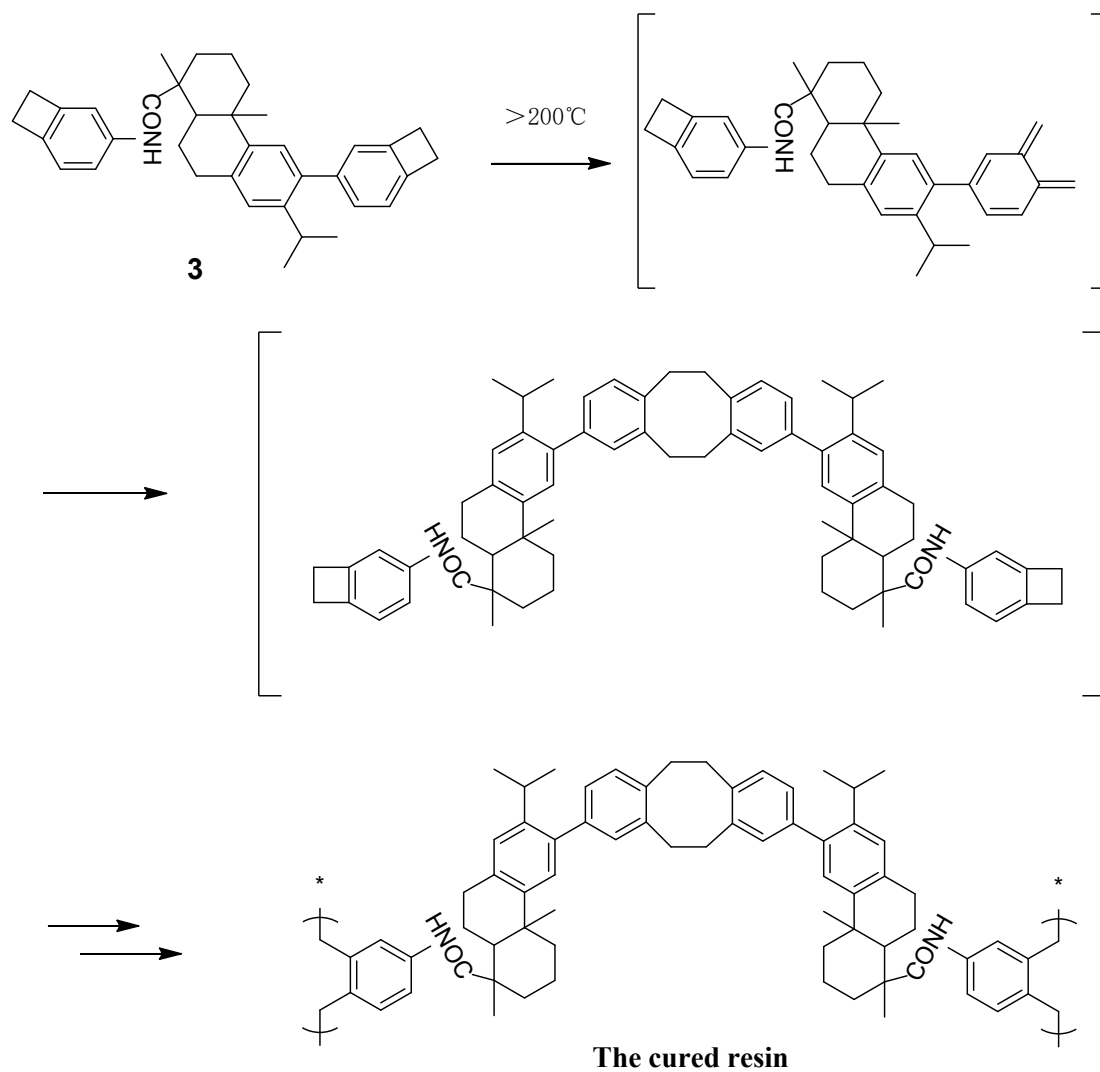


Figure S9. MS spectrum of Monomer 3.



**Scheme S1.** Thermal polymerization reaction of Monomer **3**