

# Supporting Information

## Preparation and Properties of Plant-Oil-Based Epoxy

### Acrylate-like Resins for UV-Curable Coatings

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#### Figures. S1–S11

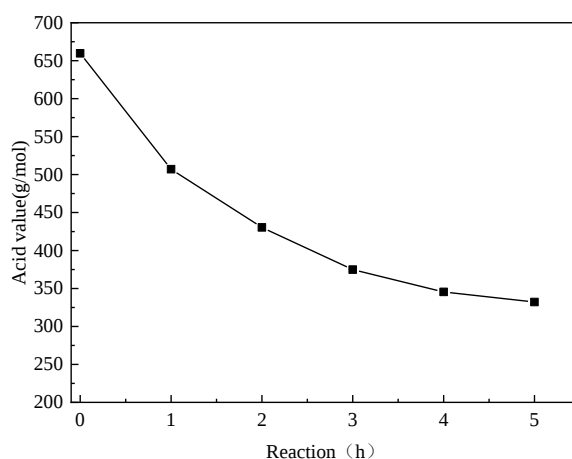


Figure. S1 Acid values of MAAMA

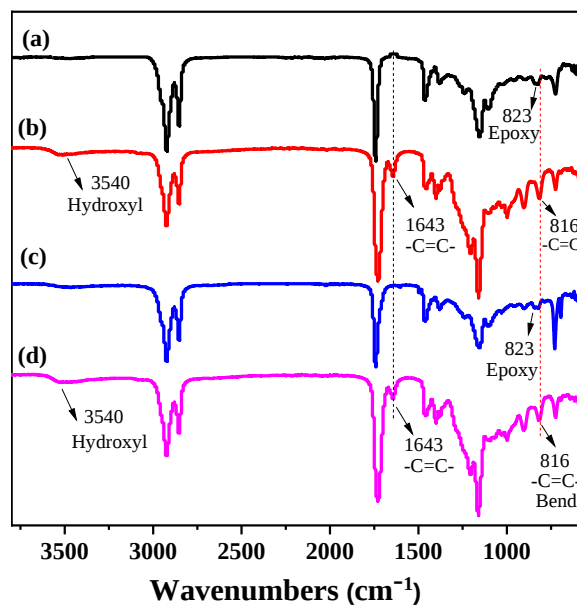
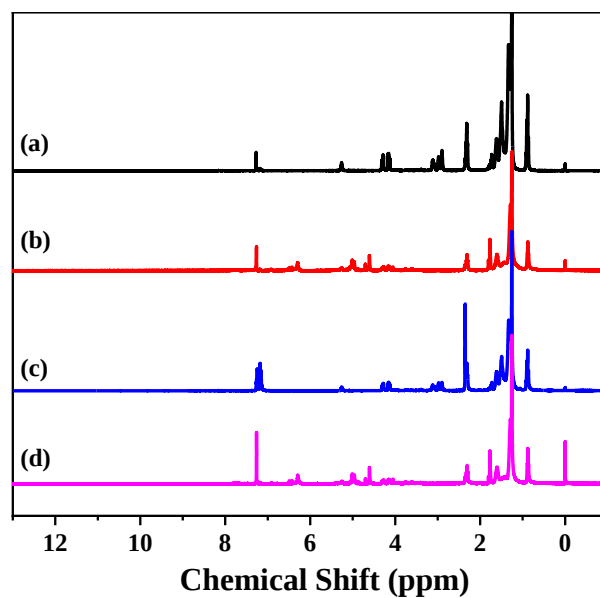
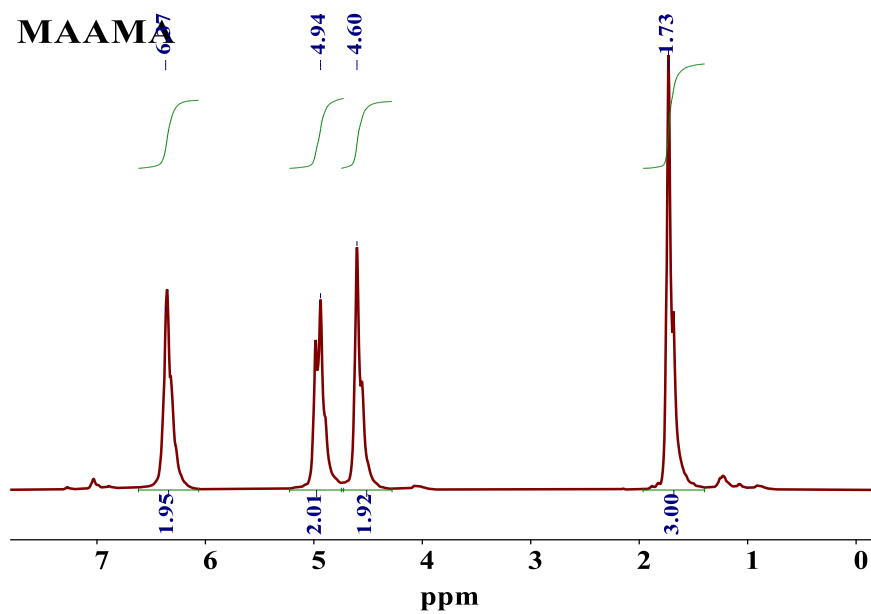


Figure. S2 FT-IR spectra of (a) ERSO, (b) MMERSO, (c) EWSO, and (d) MMEWSO

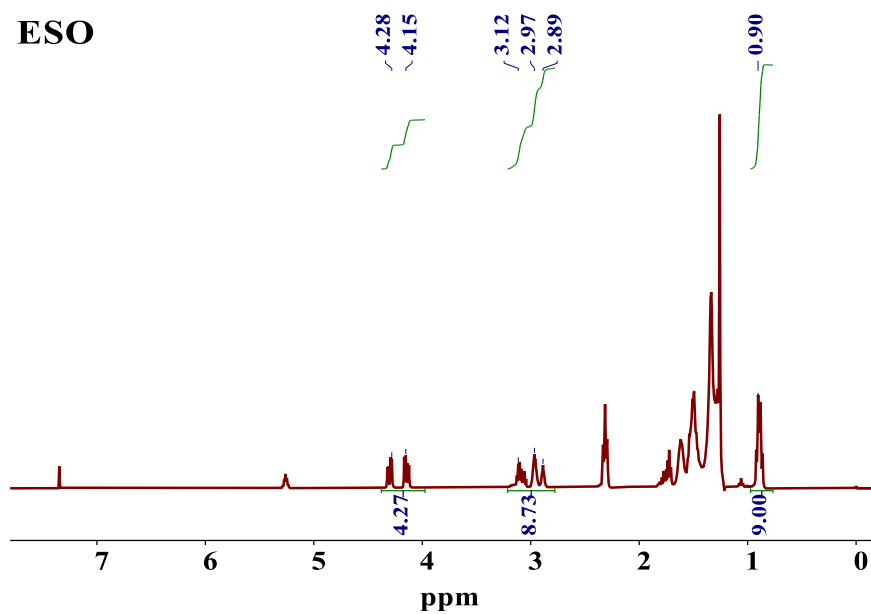


**Figure. S3**  $^1\text{H}$  NMR spectrum of (a) ERSO, (b) MMERSO, (c) EWSO, and (d) MMEWSO



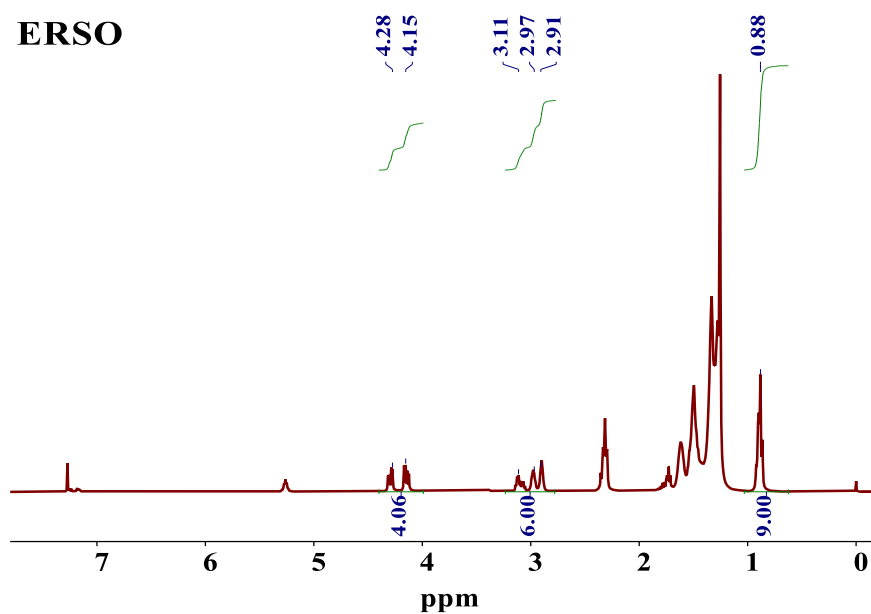
**Figure. S4**  $^1\text{H}$  NMR spectrum of MAAMA

**ESO**



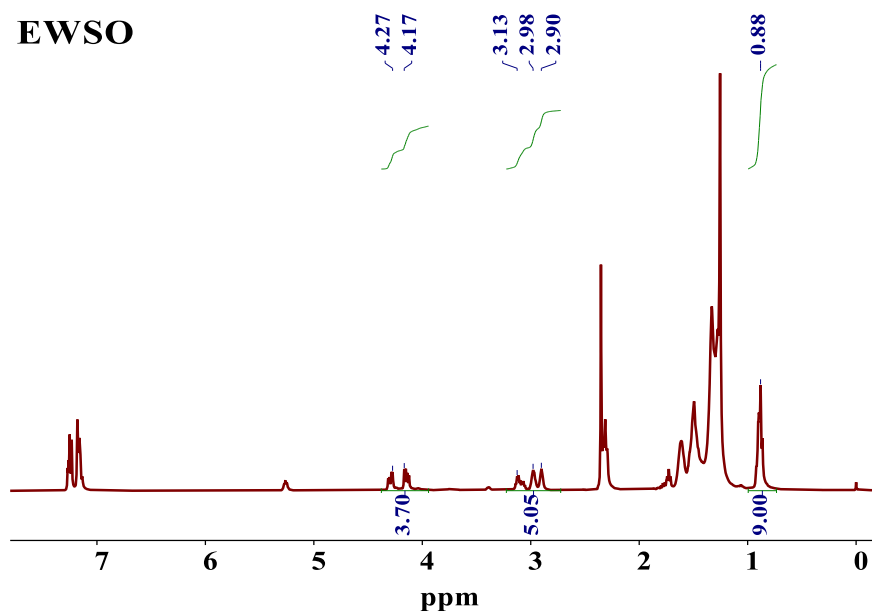
**Figure. S5** <sup>1</sup>H NMR spectrum of ESO

**ERSO**



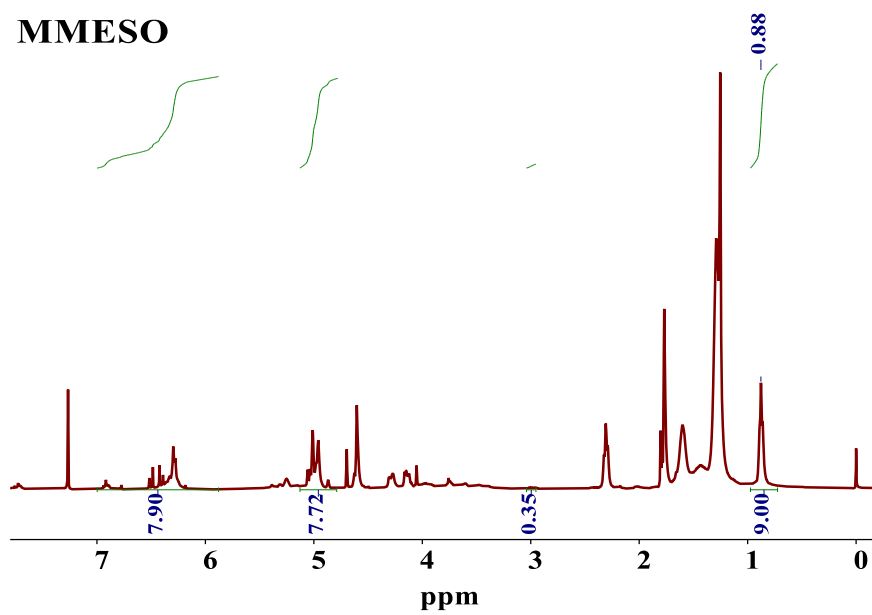
**Figure. S6** <sup>1</sup>H NMR spectrum of ERSO

**EWSO**



**Figure. S7** <sup>1</sup>H NMR spectrum of EWSO

**MMESO**



**Figure. S8** <sup>1</sup>H NMR spectrum of MMESO

### MMERSO

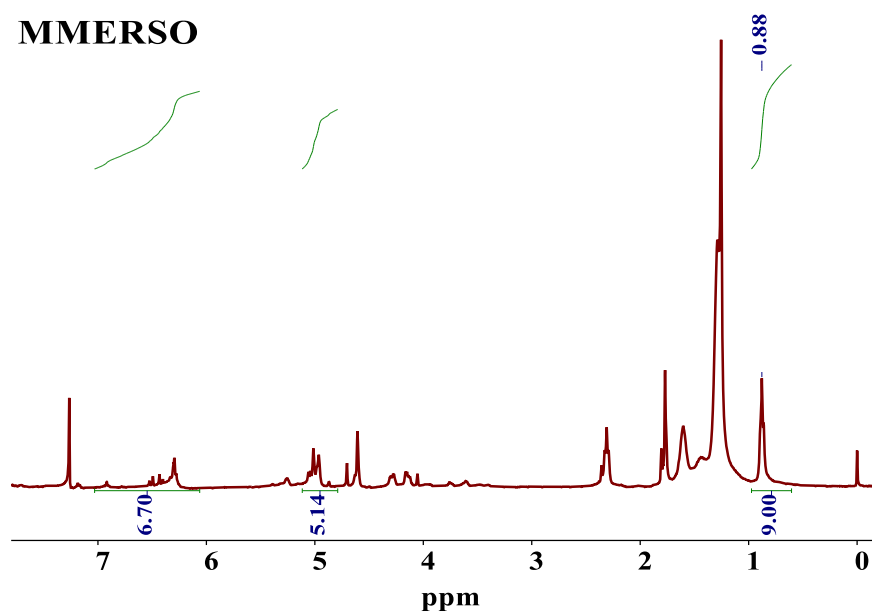


Figure. S9  $^1\text{H}$  NMR spectrum of MMERSO

### MMEWSO

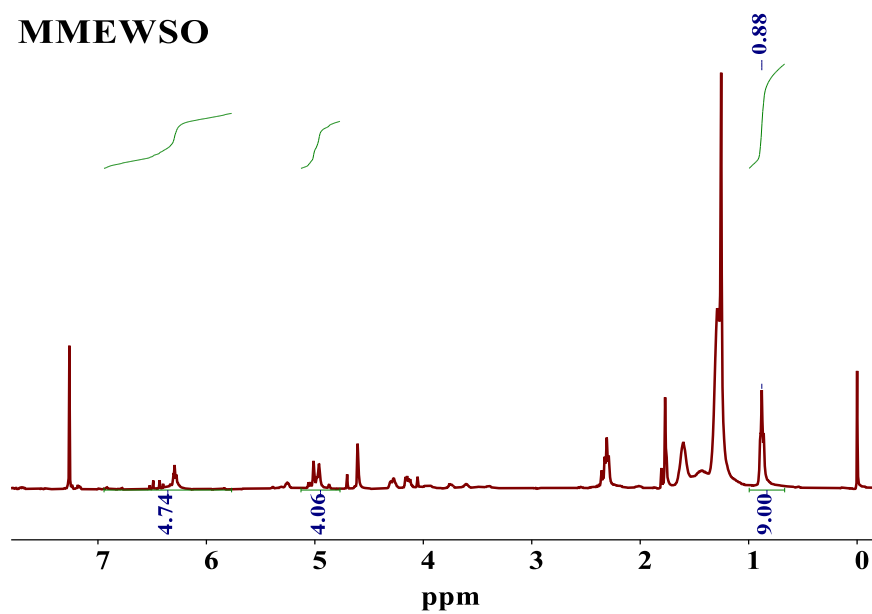


Figure. S10  $^1\text{H}$  NMR spectrum of MMEWSO

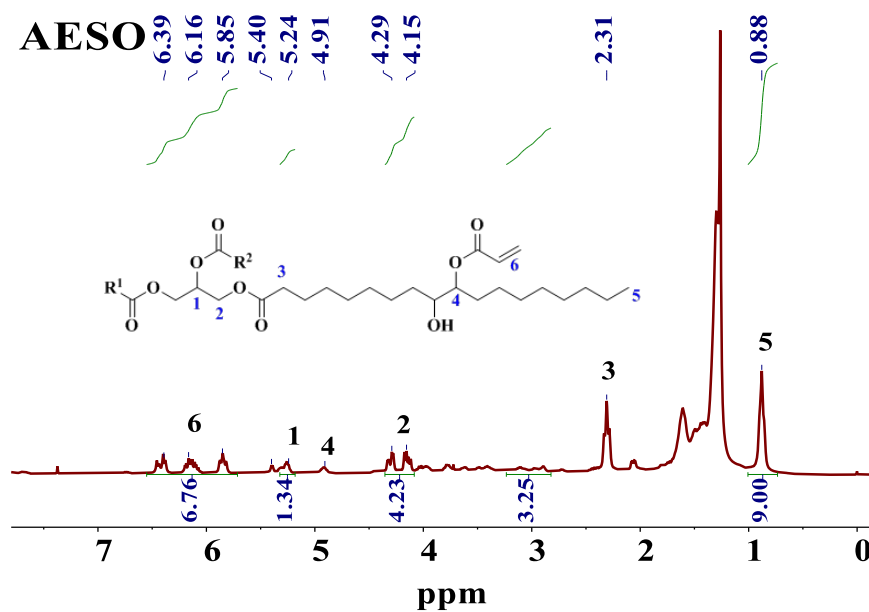


Figure. S11 <sup>1</sup>H NMR spectrum of AESO

Equation. S1 Determining the grafted C=C functionality for AESO

$$N_{C=C} = \frac{A_{5.6-6.7\text{ppm}}/3}{A_{0.88\text{ppm}}/9} = \frac{3A_{5.6-6.7\text{ppm}}}{A_{0.88\text{ppm}}} \quad (\text{S1})$$