Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supporting information

The reaction of activated esters with epoxides for self-curable, highly flexible A_2B_2- and A_3B_3-type epoxy compounds

Chien-Han Chen[‡], Chia-Min Lin[†], Tzong-Yuan Juang[§], Mahdi M. Abu-Omar[‖], Ching-Hsuan Lin*[†‡]

[†]Department of Chemical Engineering, National Chung Hsing University, Taichung, Taiwan.

[‡]Advanced Research Center for Green Materials Science and Technology, National Taiwan University, Taipei 10617, Taiwan.

[§]Department of Cosmeceutics, China Medical University, Taichung, Taiwan.

[‖]Department of Chemistry and Biochemistry, University of California, Santa Barbara, California 93106, United States.

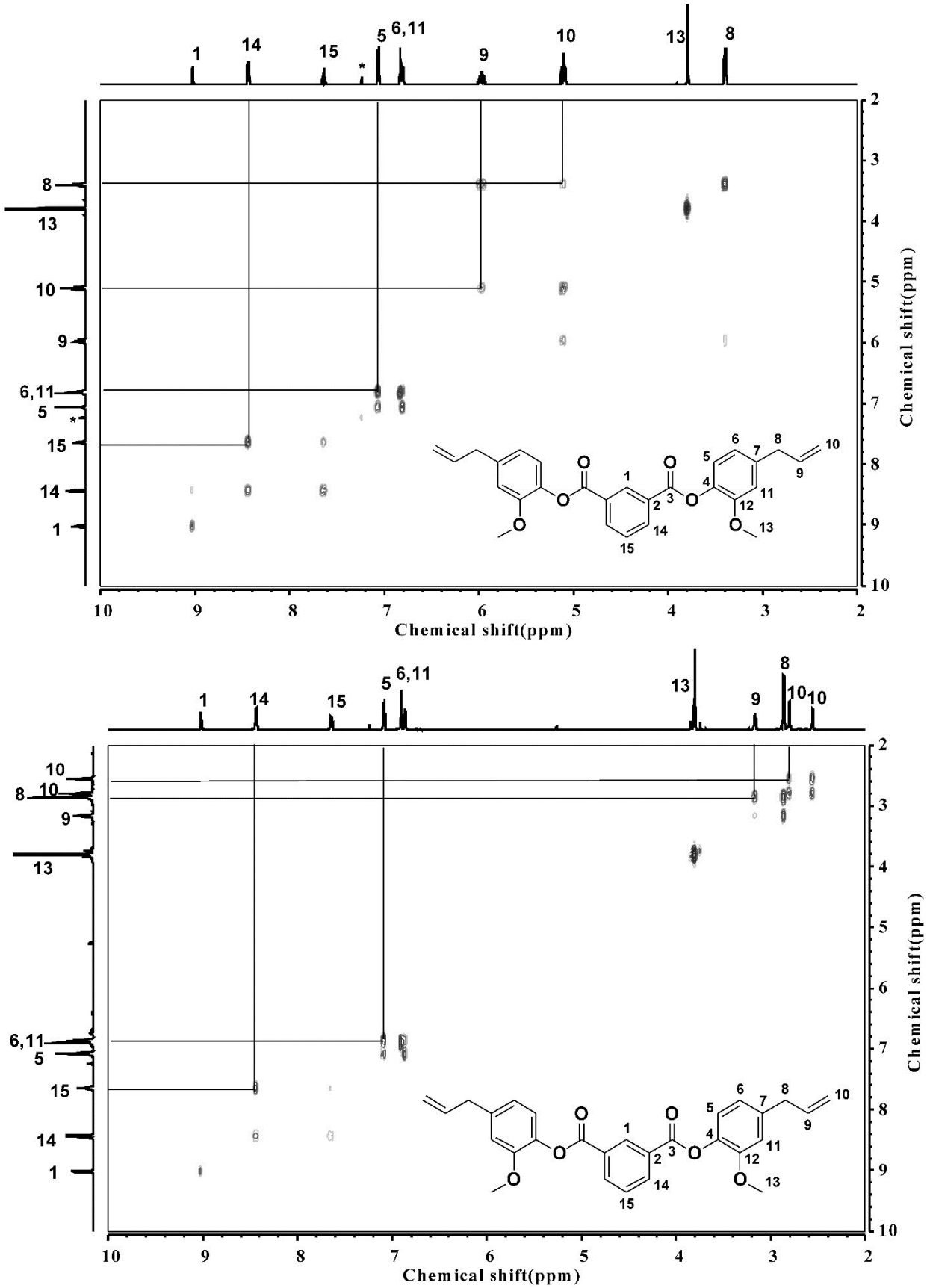

Figure S1. ^{1}H-^{1}H COSY spectra of **(2a)** and **(2)**.

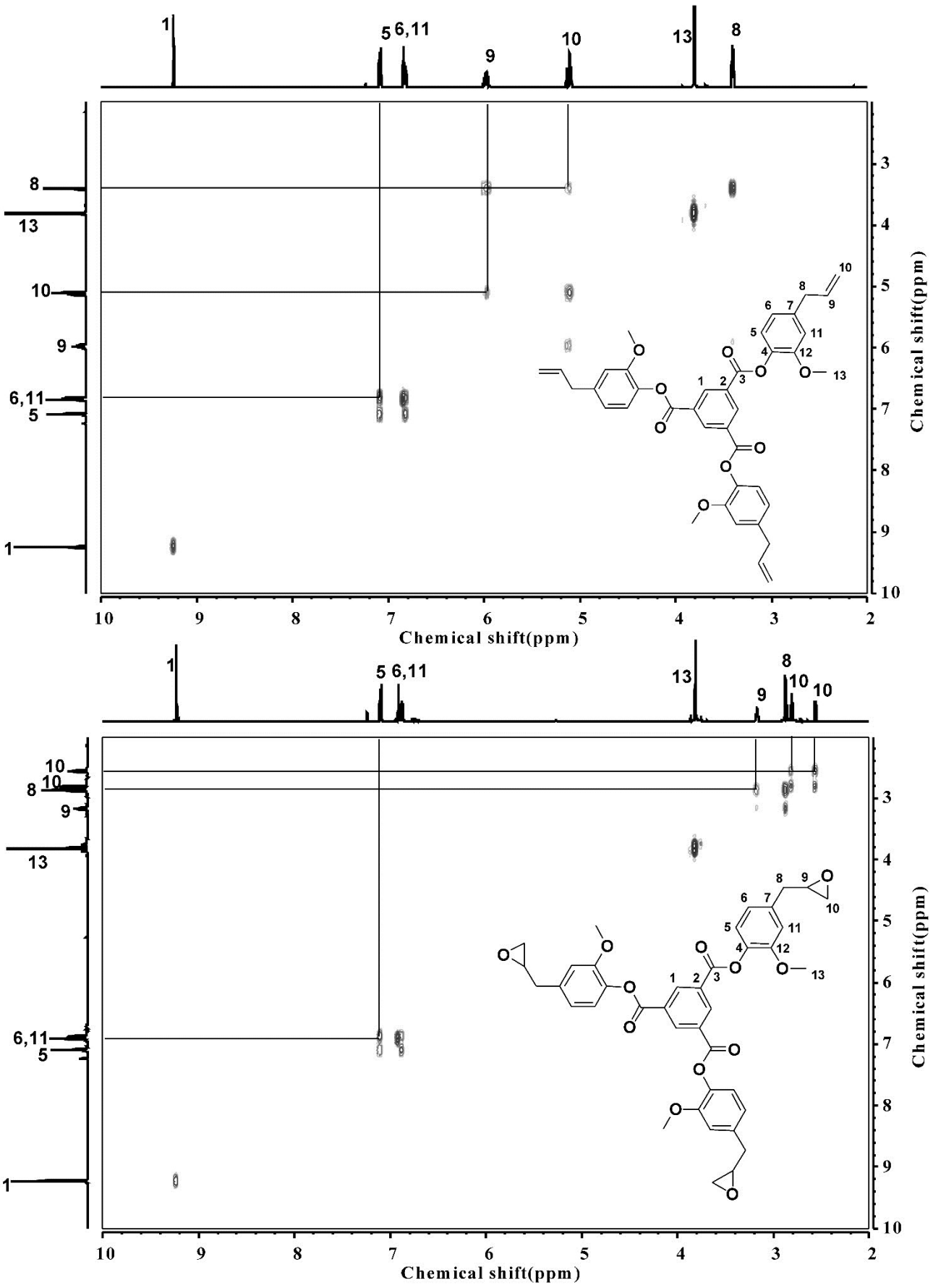

Figure S2. ^{1}H-^{1}H COSY spectra of **(3a)** and **(3)**.

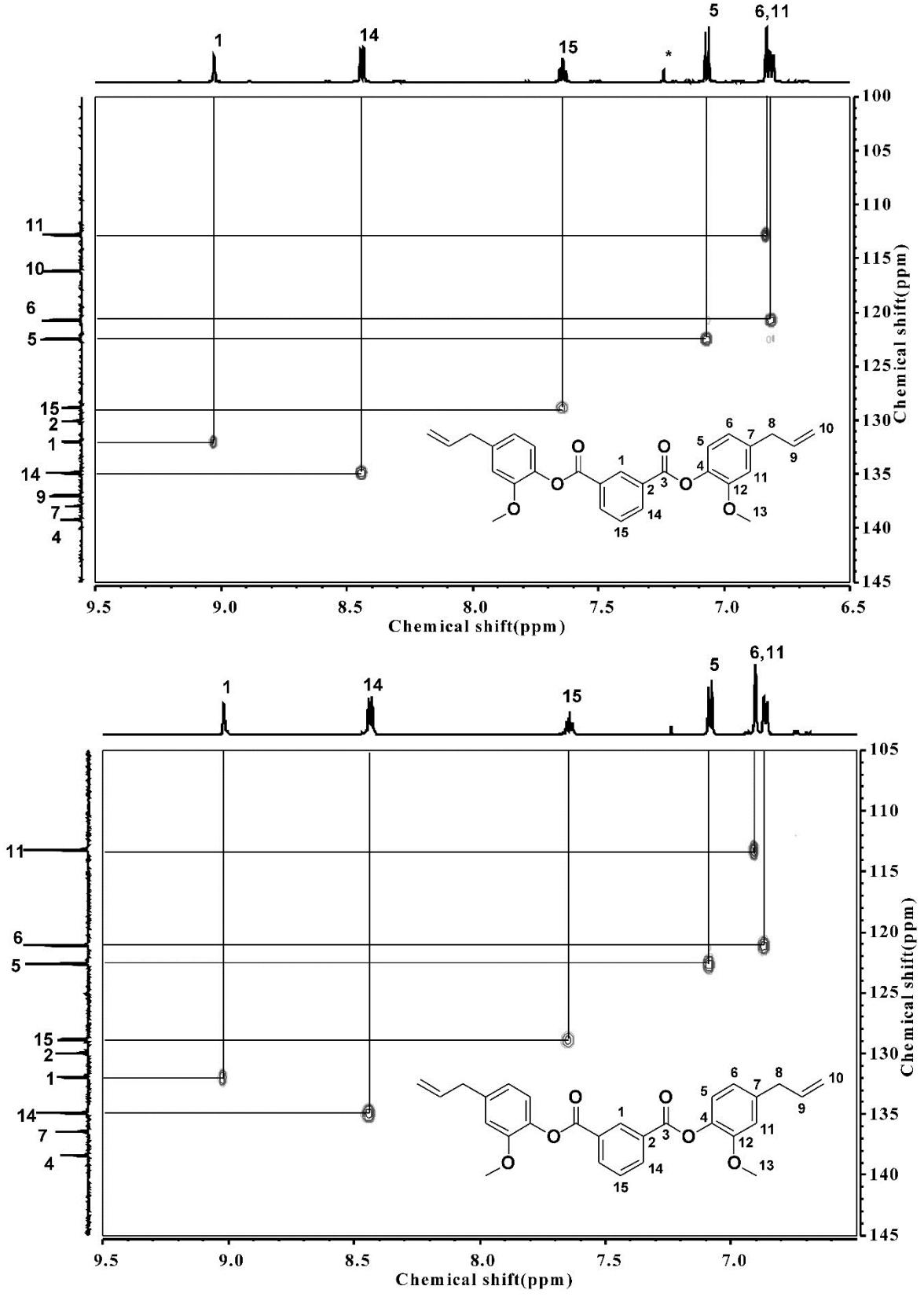

Figure S3. ^{1}H-^{13}C HETCOSY spectra of **(2a)** and **(2)**.

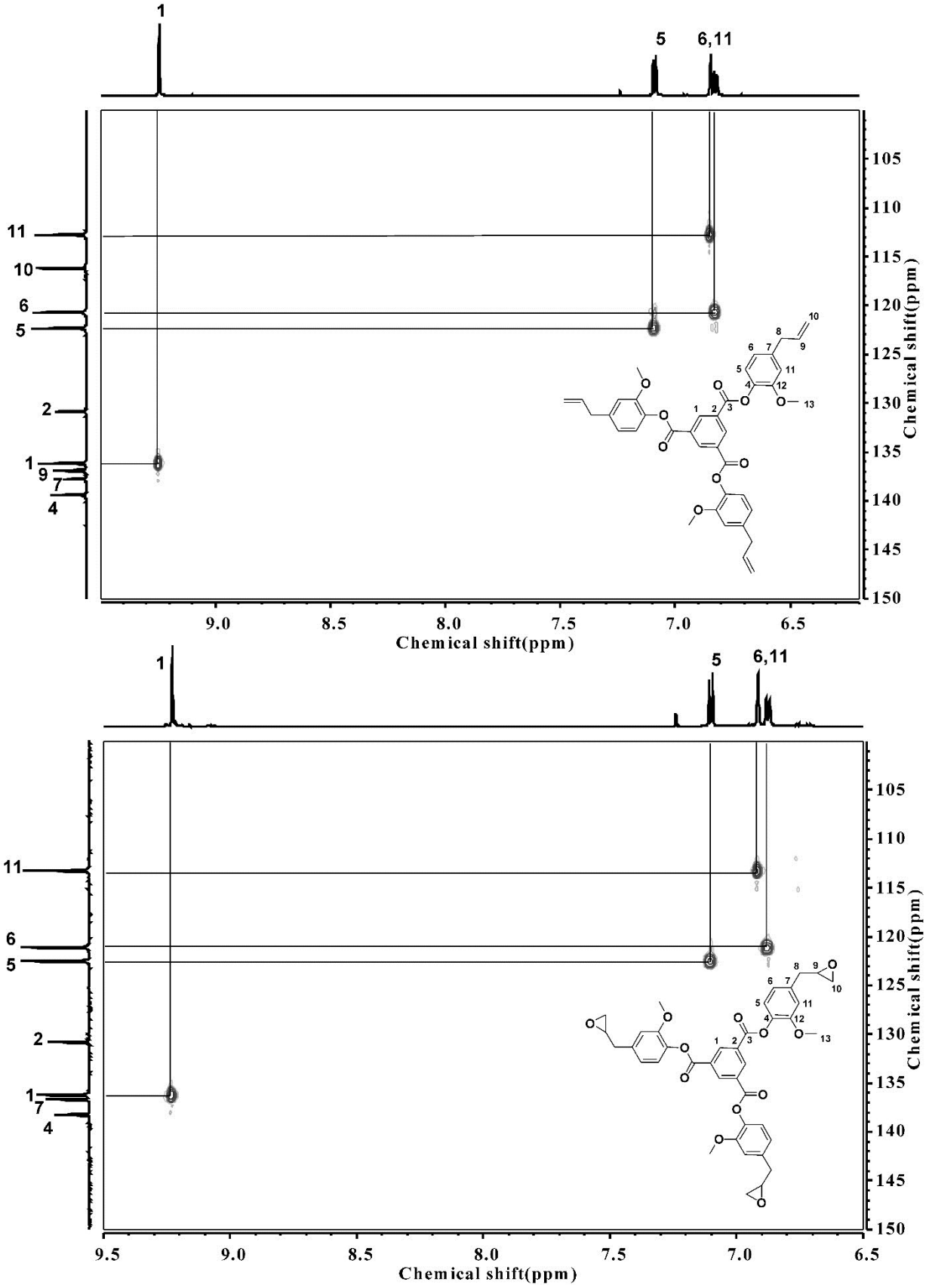

Figure S4. ^{1}H-^{13}C HETCOSY spectra of **(3a)** and **(3)**.

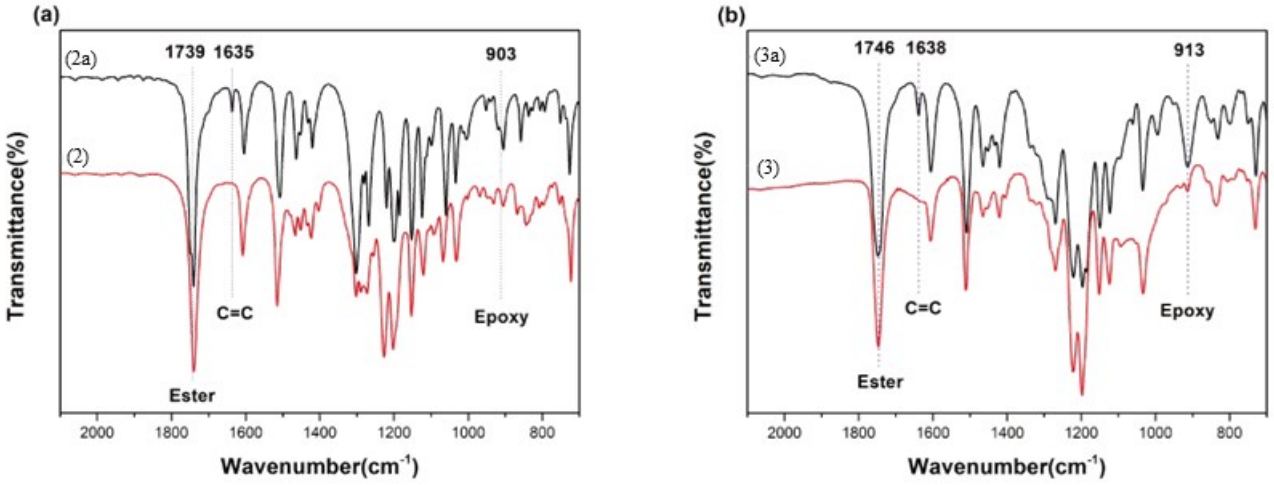

Figure S5. IR spectra of (a) **(2a)**, **(2)** and (b) **(3a)**, **(3)**.

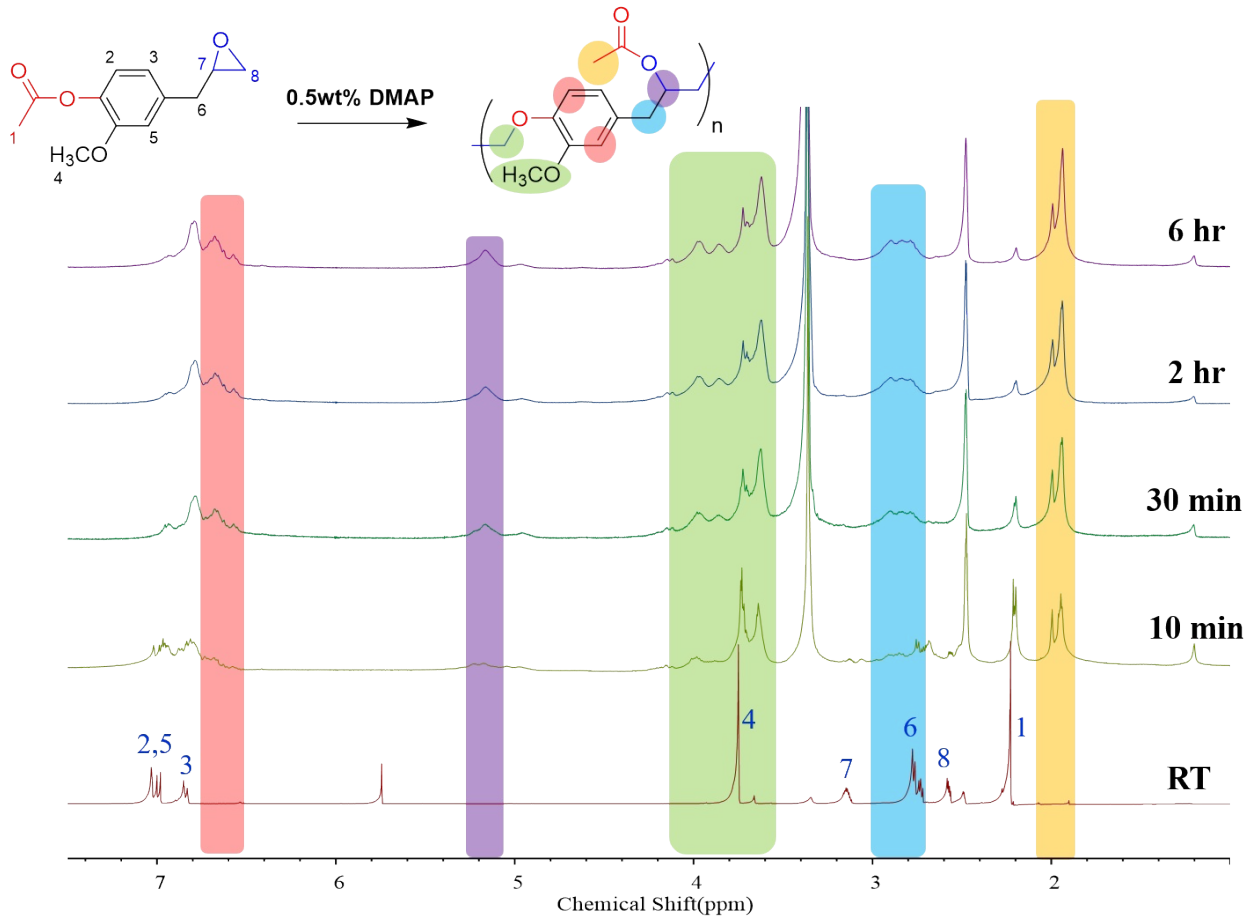

Figure S6. ^{1}H-NMR spectra of **(1)** (with 0.5 wt% DMAP) after heating at 160 ^{o}C for a period of time.

The d-solvent is DMSO-*d6*. The signals at 2.4 and 3.3 ppm come from solvent peaks.