Electronic Supplementary Material (ESI) for RSC Advances.

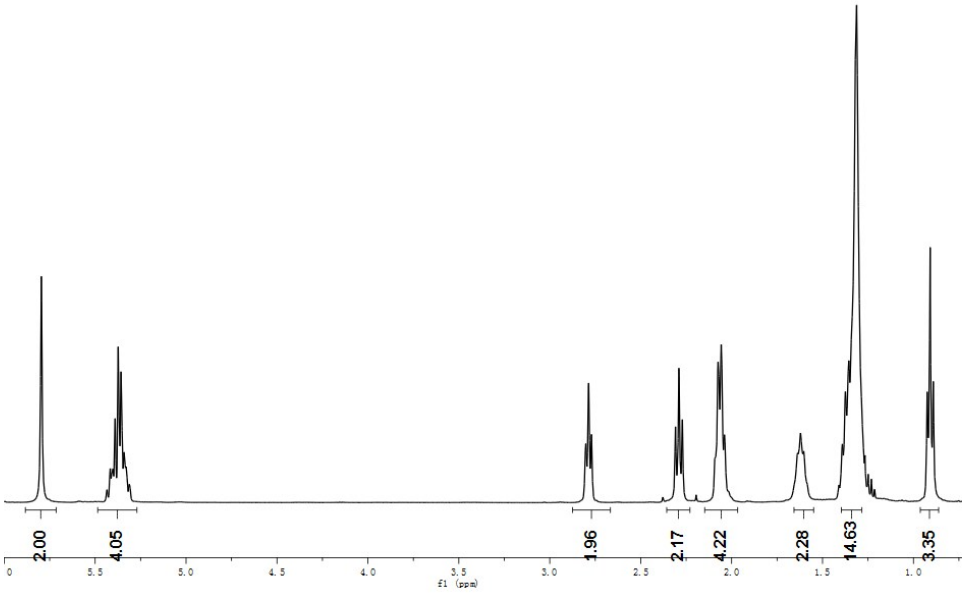
Bio-based Epoxy-Anhydride Thermosets from Six-Armed Linoleic Acid-Derived Epoxy Resin

Ren Liu, [a]* Xiaopeng Zhang, [a] Shuai Gao, [b] Xiaoya Liu, [a] Zhen Wang, [c] and Jingling Yan [b]*

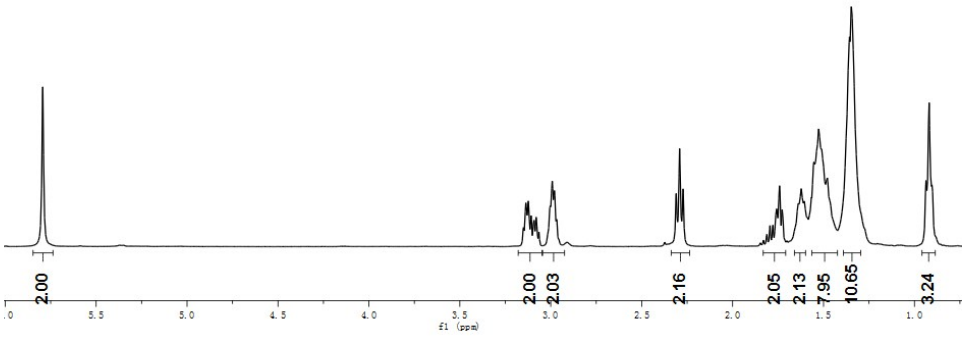
[a] The Key Laboratory of Food Colloids and Biotechnology, Ministry of Education, School of Chemical and Material Engineering, Jiangnan University, Wuxi 214122, P. R. China. E-mail: liuren@jiangnan.edu.cn;

[b] Laboratory of Polymer Composites Engineering, Changchun Institute of Applied Chemistry, Chinese Academy of Science, Changchun, 130022, P. R. China. E-mail: jyan@ciac.ac.cn;

[c] State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, P. R. China



A



B

Figure S1. ^{1}H NMR spectra with integrations for HL (A) and EHL (B)

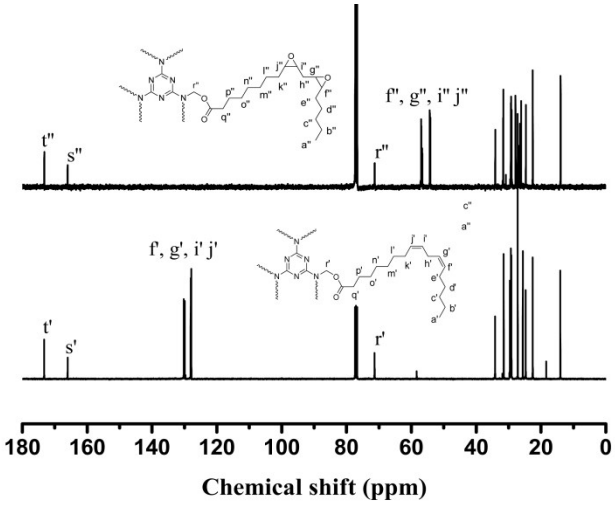


Figure S2. ^{13}C NMR spectra of bio-based epoxy resin and its intermediates

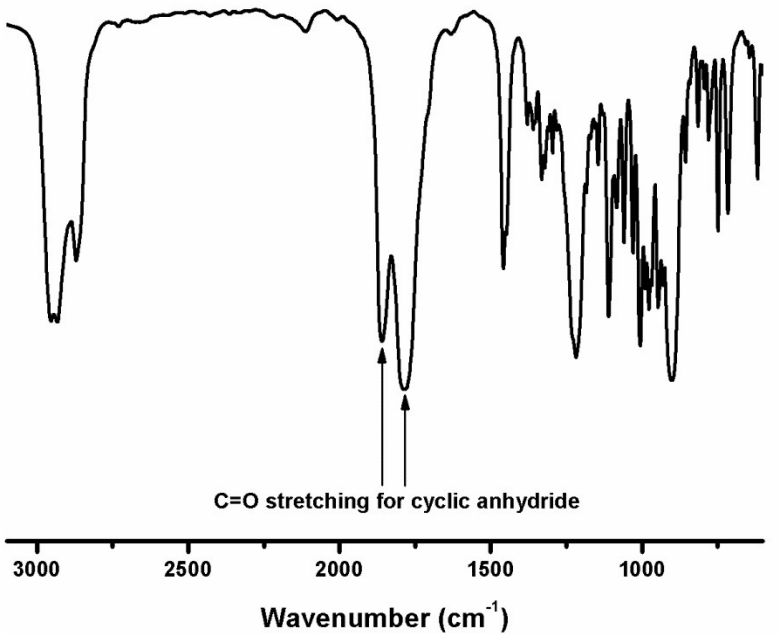


Figure S3. FT-IR spectrum of 4-methyl hexahydrophthalic anhydride