

Supporting information

Synthesis, surface properties and temperature dependence of phase separation of DSPE chains in ethanol solutions

Juying Zhou^{a,b*}, Yanjiao Lan^a, Fuhou Lei^{a,b}, Yanzhi Zhao^{a,b}, Jianfang Lu^{a,b}, Qin Huang^{a,b*}, Pengfei Li^{a,b}, Hao Li^{a,b} and Jinyan Zhang^a

Corresponding author: Juying Zhou

E-mail: zhoujuying@gxun.edu.cn

Abbreviations of chemical substances

TMP-- trimethylolpropane

DHAA –dehydroabietic acid

DATE -- dehydroabietic acid trimethylolpropane ester

DSPE-- dehydroabietic-based succinic acid polyester

Figure caption

Fig. S1 ¹³C-NMR spectrum of DHAA

Fig. S2 ¹³C-NMR spectrum of DATE

Fig. S3 ESI-MS spectrum of DATE

Fig.S4 ¹³C-NMR spectrum of DSPE

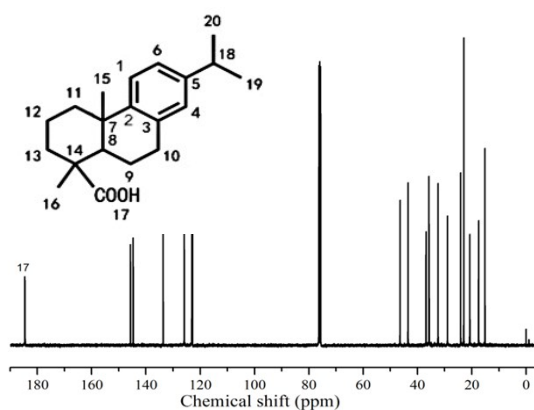


Fig. S1 ¹³C-NMR spectrum of DHAA

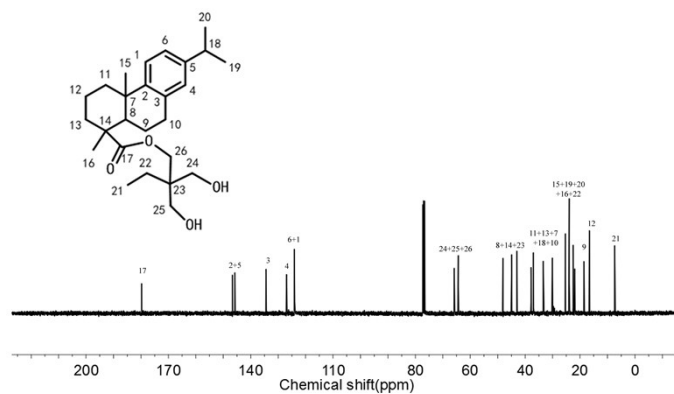


Fig. S2 ¹³C-NMR spectrum of DATE

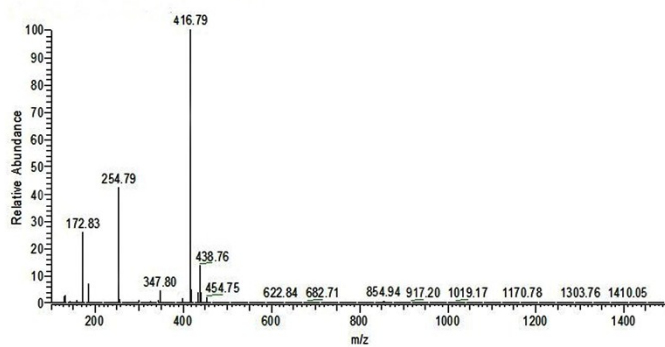


Fig. S3 ESI-MS spectrum of DATE

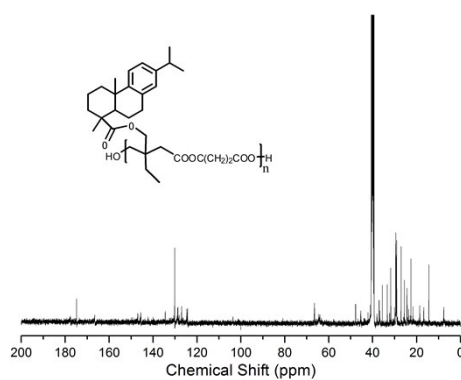


Fig.S4 ¹³C-NMR spectrum of DSPE