Temperature dependency of glucose laurate formation in [EMIM]OAc. 0.83 mmol/mg glucose solutions in [EMIM]OAc were incubated with 2 mol vinyl laurate/mol glucose at different temperatures for 22 h. Reactions were carried out in triplicates.
Kinetic of glucose laurate formation in [EMIM]OAc.

0.83 mmol/mg glucose solutions in [EMIM]OAc were incubated with 2 mol vinyl laurate/mol glucose at 60°C and samples were taken at different time points during a period of 24 h. Each time point was carried out in triplicates.
Cellulose 2-ethylhexyloate

$\text{DS}_{\text{ethylhexyloate}}: 0.9$

$\text{DS}_{\text{acetate}}: 0.2$
Cellulose pivalate
$D_{\text{pivalate}}$: 2.1
$D_{\text{acetate}}$: 0.1
Cellulose benzoate
$D_{\text{pivalate}}$: 2.3
$D_{\text{acetate}}$: 0.1
Cellulose laurate
$D_{\text{laurate}}$: 2.7
$D_{\text{acetate}}$: n.d.