## SUPPORTING INFORMATION

## A Zwitterionic Polymerizable Surfactant from ω-Hydroxyl Tetradecanoic Acid Provides Stimuli Responsive Behavior

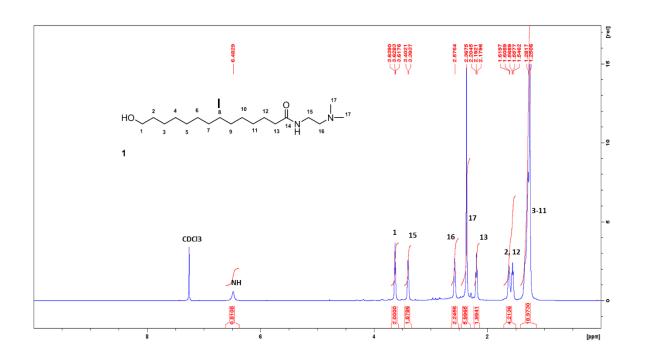
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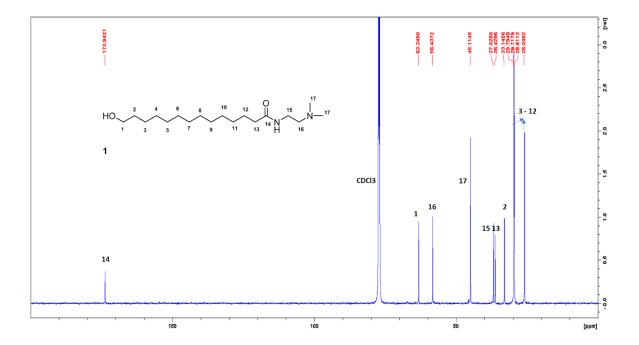
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**Figure S-1.** <sup>1</sup>H-NMR spectrum of  $\omega$ -hydroxyl- $\alpha$ -2-dimethylaminoethyl tetradecanamide **1.** 



**Figure S-2.** <sup>13</sup>C-NMR spectrum of  $\omega$ -hydroxyl- $\alpha$ -2-dimethylaminoethyl tetradecanamide **1.** 

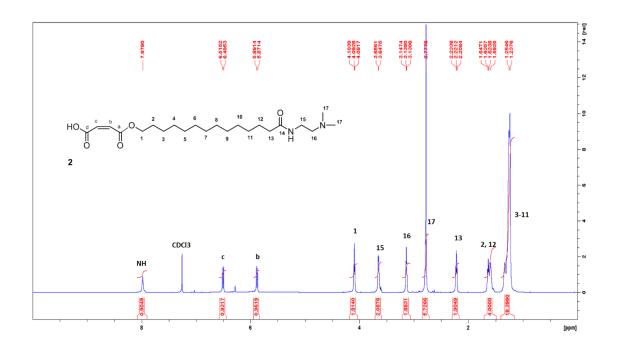
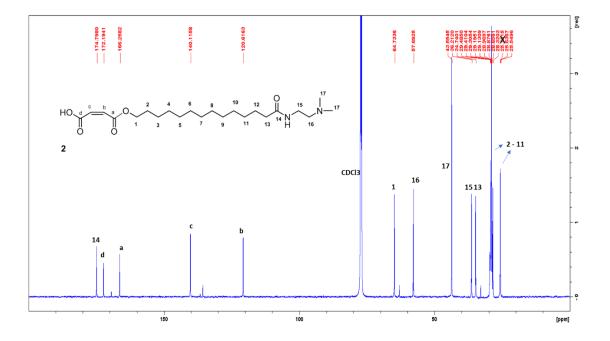


Figure S-3. <sup>1</sup>H-NMR spectrum of N,N-dimethyl maleate tetradecanoicacid amide (DMTA) 2.



**Figure S-4.** <sup>13</sup>C-NMR spectrum of N,N-dimethyl maleate tetradeanaoicacid amide (DMTA) 2.