

Tailoring Self-assembly Behavior of Biological Surfactant By Imidazolium-based Surfactants with Different Length of Hydrophobic Alkyl Tails

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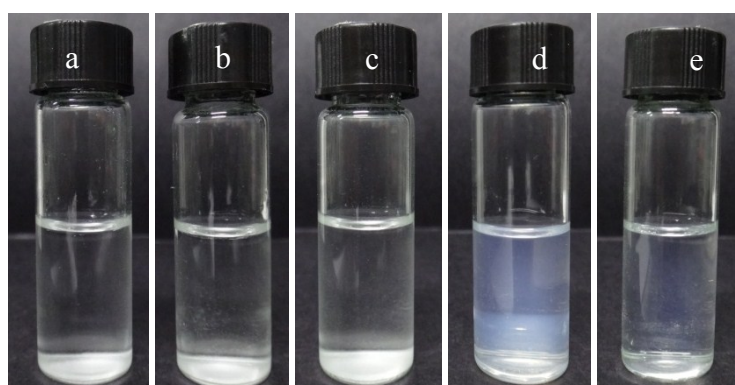


Figure S1 The photographs of typical samples of the phase transition with the addition of $[C_{14}mim]Br$ to 50 mmol L^{-1} NaDC samples without the addition of PBS: $c_{NaDC} = 50 \text{ mmol L}^{-1}$ and $c_{[C_{14}mim]Br}$ is changeable: (a) 5, (b) 7.5, (c) 10, (d) 75, (e) 100 mmol L^{-1} . $T = 20.0 \pm 0.1^\circ\text{C}$.

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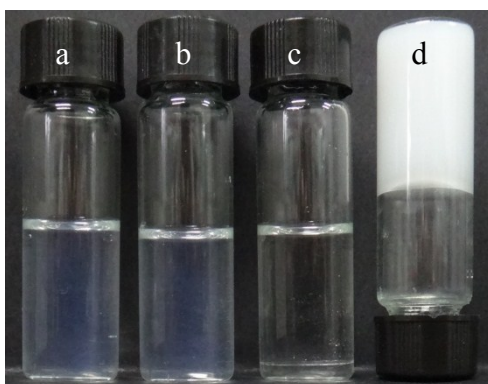


Figure S2 The photographs of typical samples of $100 \text{ mmol L}^{-1} \text{ C}_n\text{mimBr}/50 \text{ mmol L}^{-1}\text{NaDC}$ mixed system. (a) $\text{C}_{14}\text{mimBr}$; (b) $\text{C}_{12}\text{mimBr}$; (c) C_8mimBr ; (d) C_2mimBr .