

pH-regulated surface property and pH-reversible micelle transition of a zwitterionic gemini surfactant in aqueous solution

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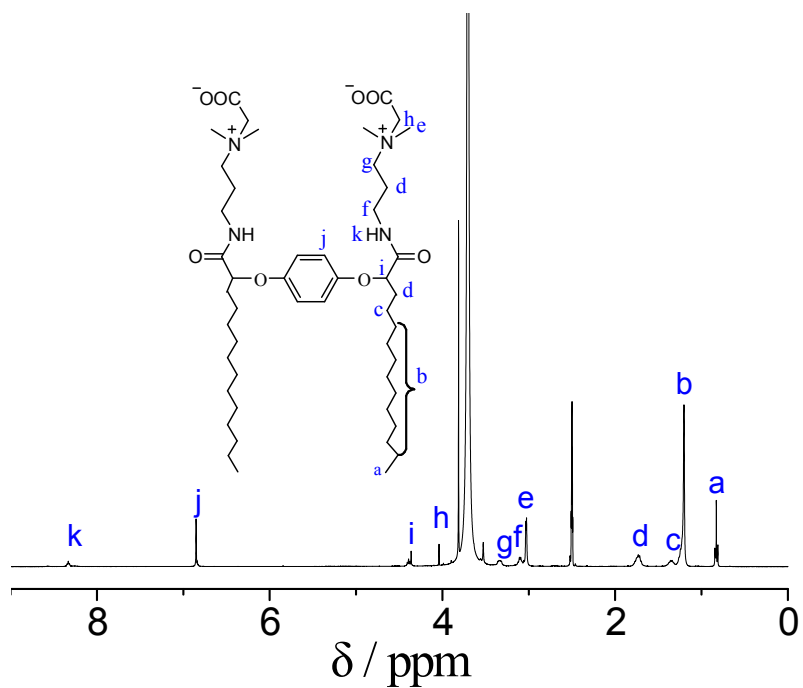


Fig. S1 ¹H NMR of C₁₄-B-C₁₄

¹H NMR (400 MHz, DMSO): δ 8.39 – 8.26 (m, 1H), 6.85 (s, 1H), 4.38 (d, J = 12.2, 5.6 Hz, 1H), 4.01 (d, J = 20.5 Hz, 0H), 3.34 (d, J = 10.9, 5.3 Hz, 1H), 3.10 (d, J = 15.6, 9.7 Hz, 1H), 3.03 (d, J = 3.4 Hz, 1H), 1.87 – 1.65 (m, 1H), 1.41 – 1.31 (m, 1H), 1.20 (s, 6H), 0.83 (s, 3H).

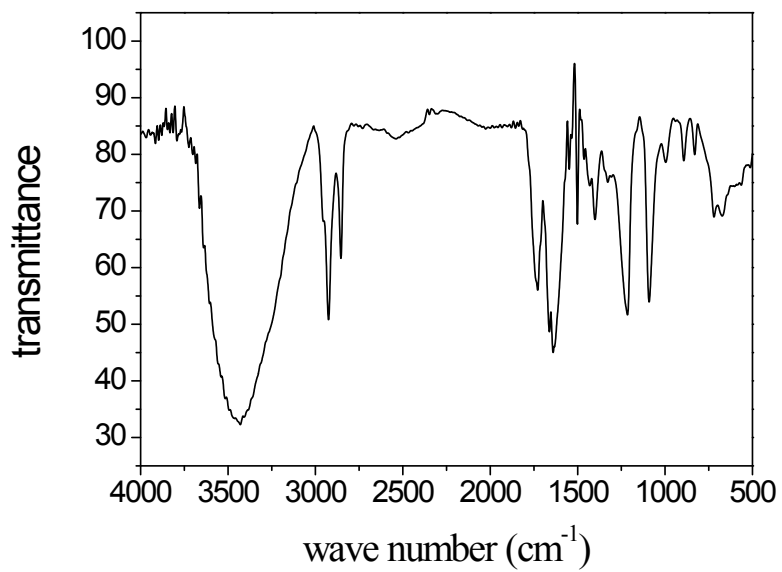


Fig. S2 IR of C₁₄-B-C₁₄

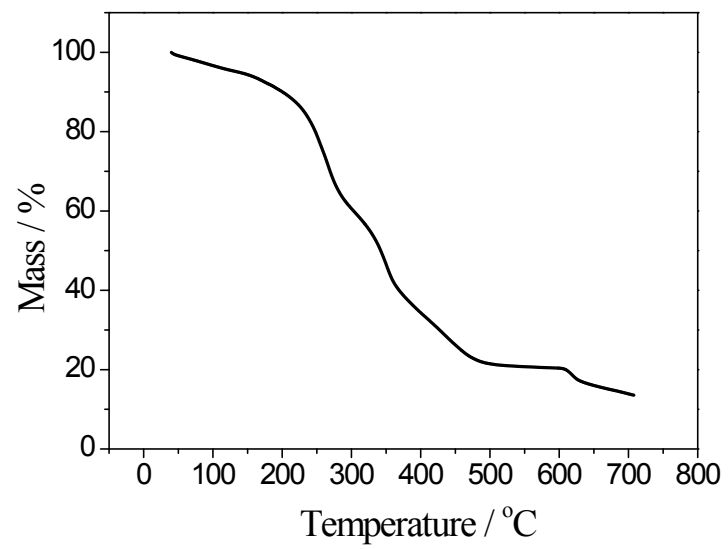


Fig. S3 TGA curves of C₁₄-B-C₁₄