

Supporting Information for

Co-assembled Supramolecular Organohydrogels of Amphiphilic Zwitterion and Polyoxometalate with Controlled Microstructures

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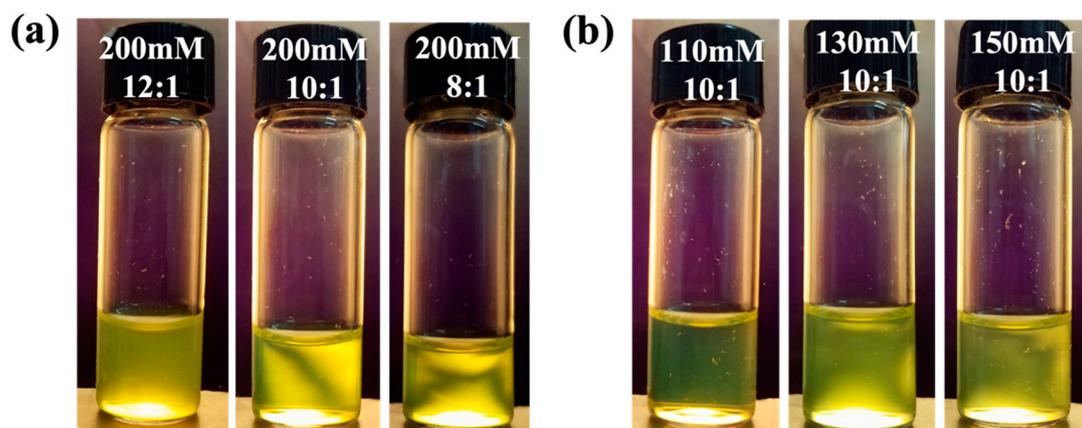


Figure S1. Optical photographs of organohydrogels observed with crossed polarizers: (a) samples with different $(C8)_2MeAS/HPMo$ molar ratios and fixed $(C8)_2MeAS$ concentration of 200 mM; (b) samples with various $(C8)_2MeAS$ concentrations and the fixed $(C8)_2MeAS/HPMo$ molar ratio of 10:1.

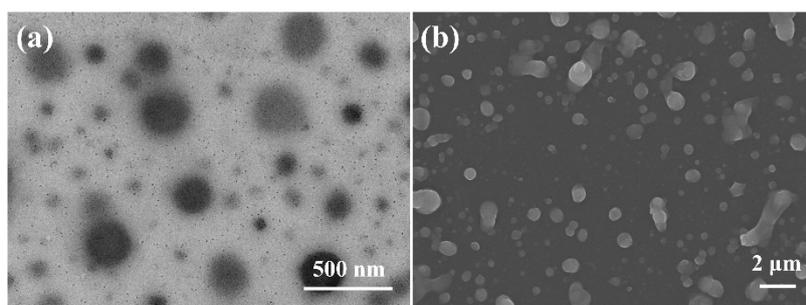


Figure S2. TEM (a) and SEM (b) images of the organohydrogel with $(C8)_2MeAS/HPMo$ molar ratio of 5:1. The concentration of $(C8)_2MeAS$ was fixed at 200 mM.

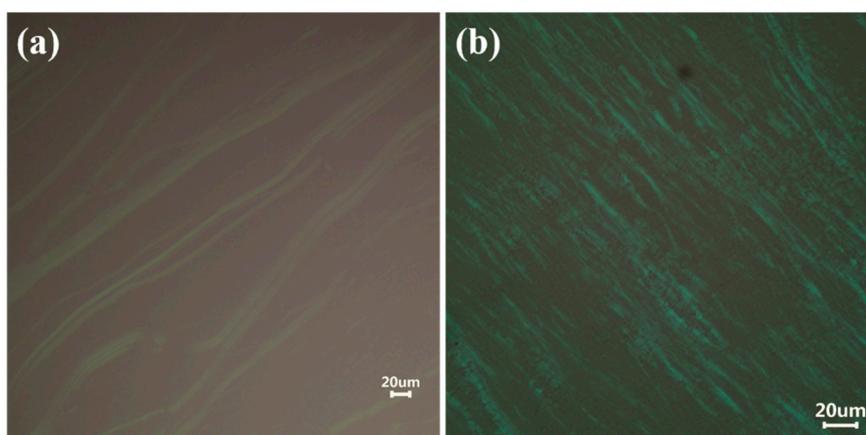


Figure S3. POM images of samples with different $(C8)_2MeAS$ concentration: (a) 280 mM (b) 300 mM. The $(C8)_2MeAS/HPMo$ molar ratio is fixed at 10:1.

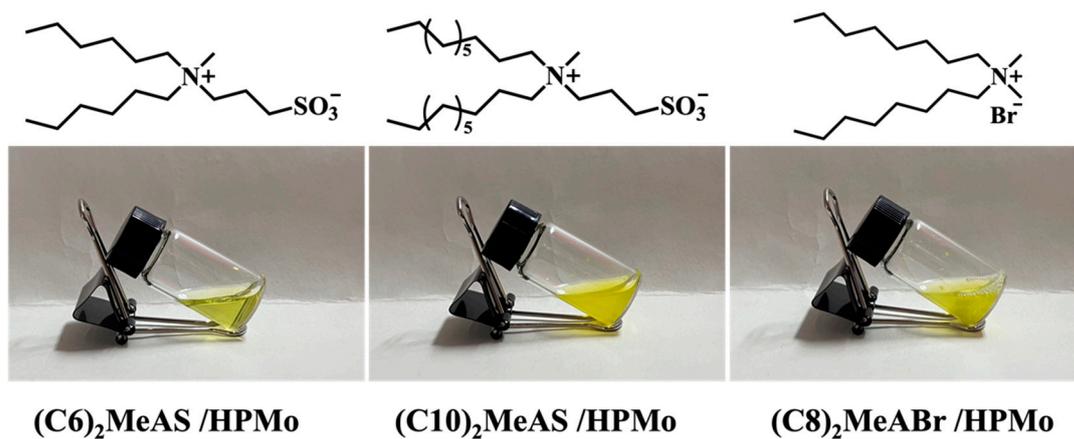


Figure S4. Photos of mixtures composed of different amphiphiles and HPMo. The molar ratio between amphiphiles and HPMo was 10:1, and the concentration of amphiphiles was fixed at 200 mM.

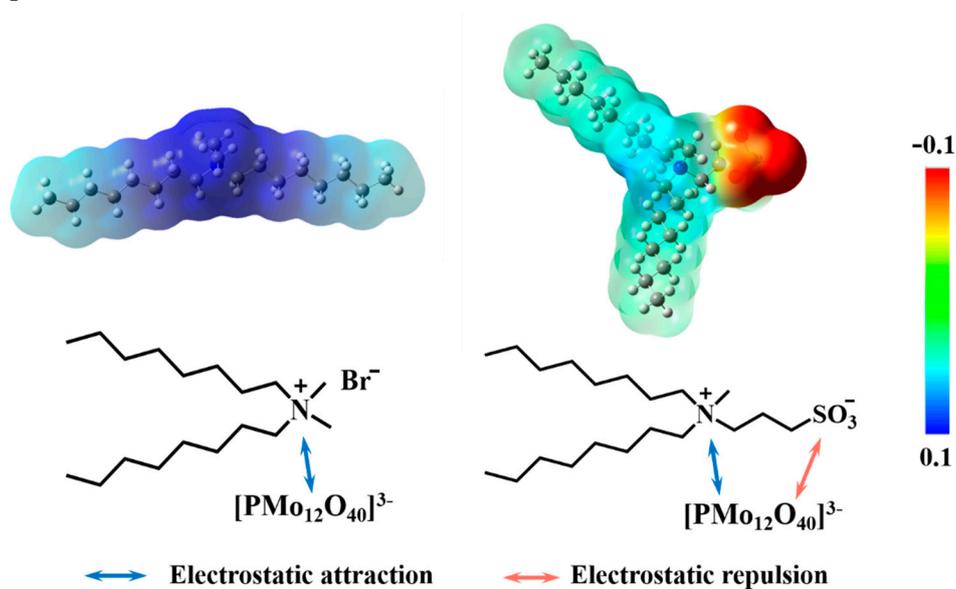


Figure S5. Schematic illustration of electrostatic interaction for $(C8)_2MeABr/HPMo$ and $(C8)_2MeAS/HPMo$ systems.

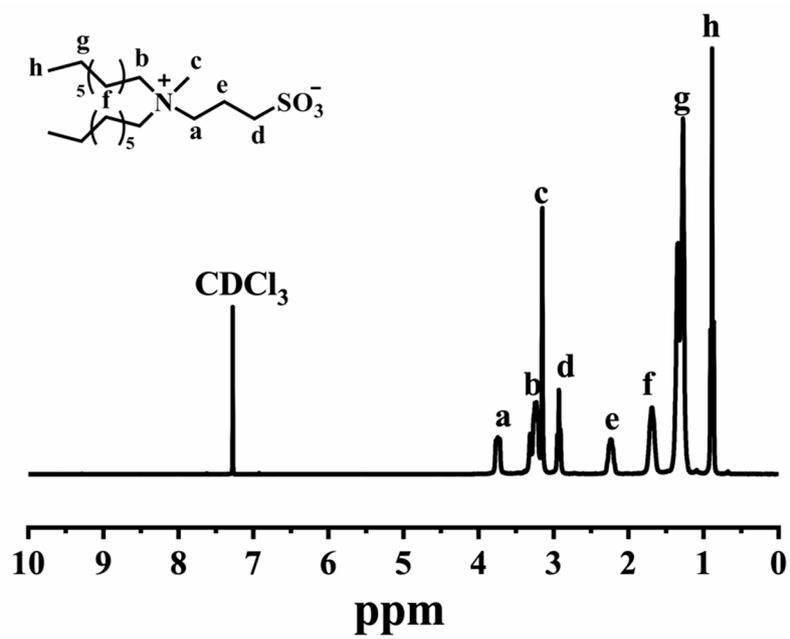


Figure S6. The ¹H NMR spectrum of (C8)₂MeAS in CDCl₃.