

Supporting Information

Surfactant-Free Microemulsion Composed of Isopentyl Acetate, *n*-Propanol, and Water

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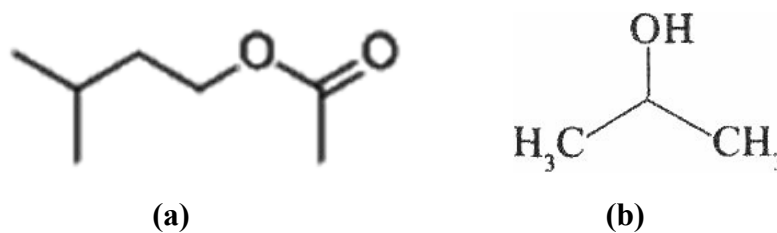


Fig. S1. Molecular structures of (a) isopentyl acetate and (b) *n*-propanol.

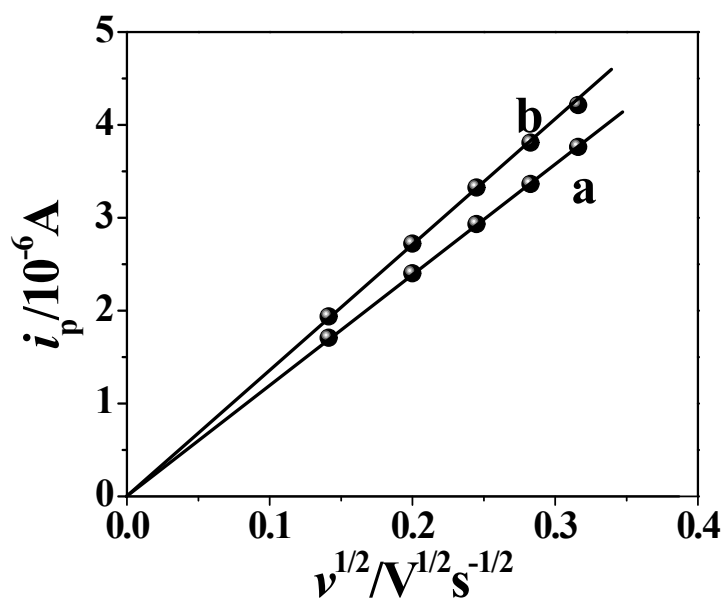


Fig. S2. Scan-rate dependence of anodic peak currents in microemulsions at

$f_{\text{IA}}=0.050$ with (a) $R_{\text{P/W}} = 8.0/2.0$ and (b) $R_{\text{P/W}} = 7.0/3.0$.

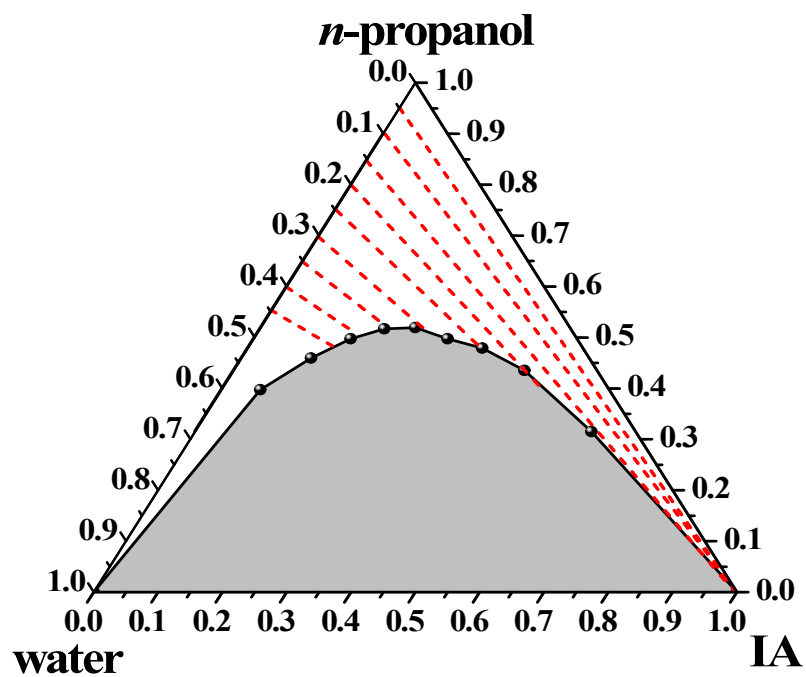


Fig. S3. IA dilution lines with different $R_{p/W}$ values for cyclic voltammetry, fluorescence spectroscopy, and UV-visible spectroscopy measurements

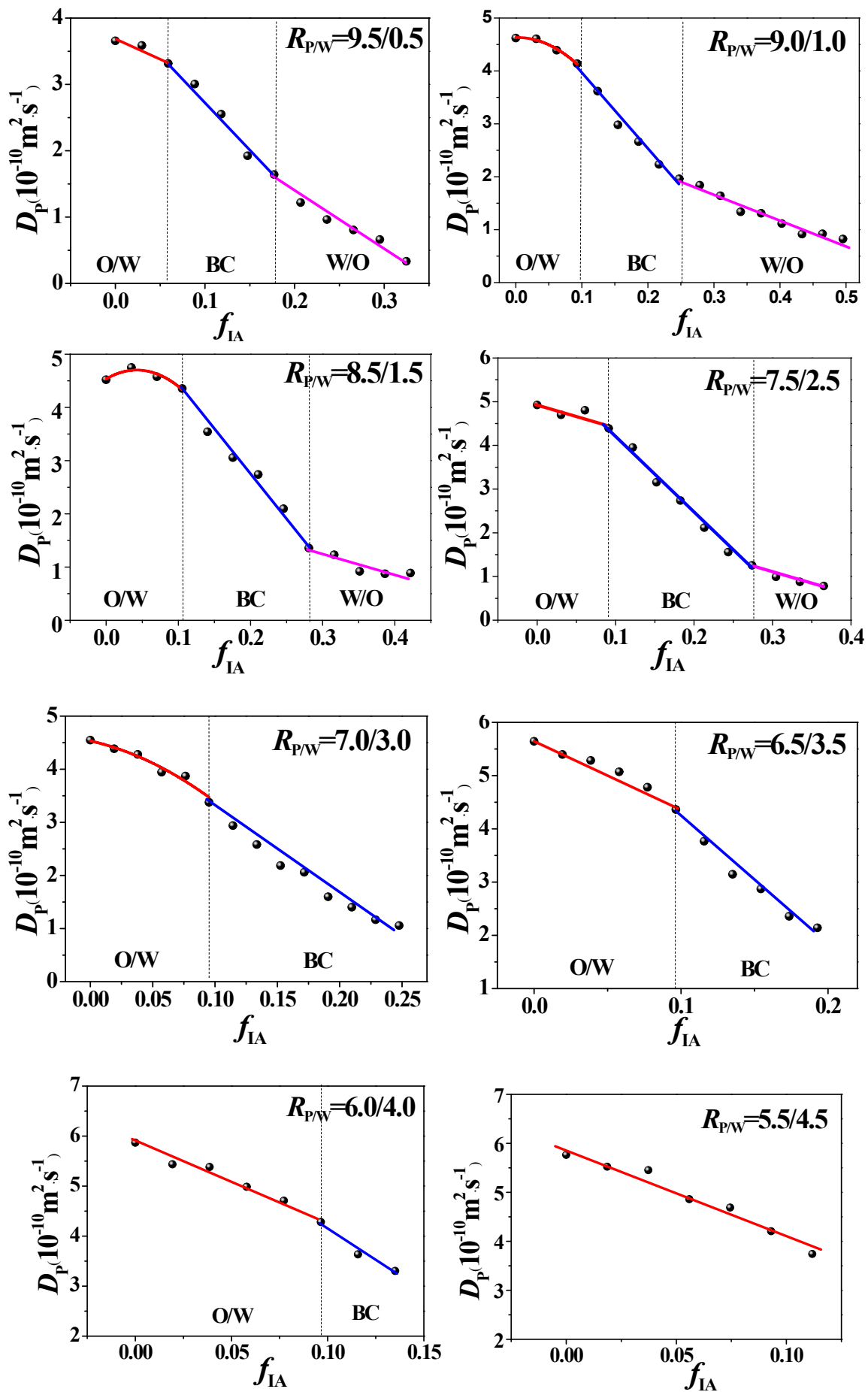


Fig. S4. Diffusion coefficient (D_p) of $\text{K}_3\text{Fe}(\text{CN})_6$, in microemulsions as a function of f_{IA} at various $R_{p/w}$. The concentration of $\text{K}_3\text{Fe}(\text{CN})_6$ was $0.65 \text{ g} \cdot \text{L}^{-1}$.

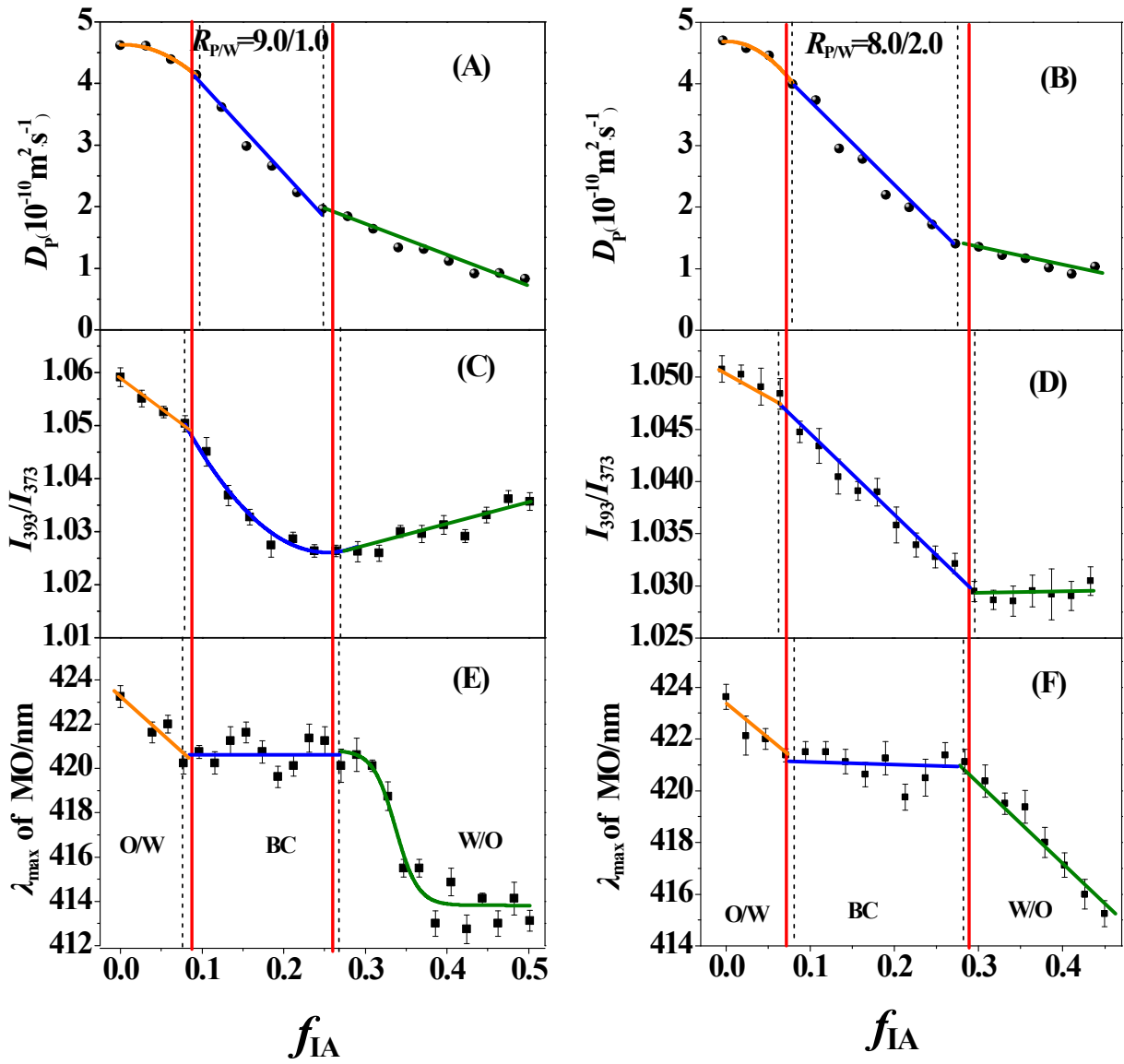


Fig. S5. (A, B) D_p of $\text{K}_3\text{Fe}(\text{CN})_6$, (C, D) I_{393}/I_{373} of pyrene, and (E, F) λ_{max} of MO in microemulsions at (A, C, E) $R_{P/W} = 9/1$ and (B, D, F) $R_{P/W} = 8.0/2.0$ as a function of f_{IA} .

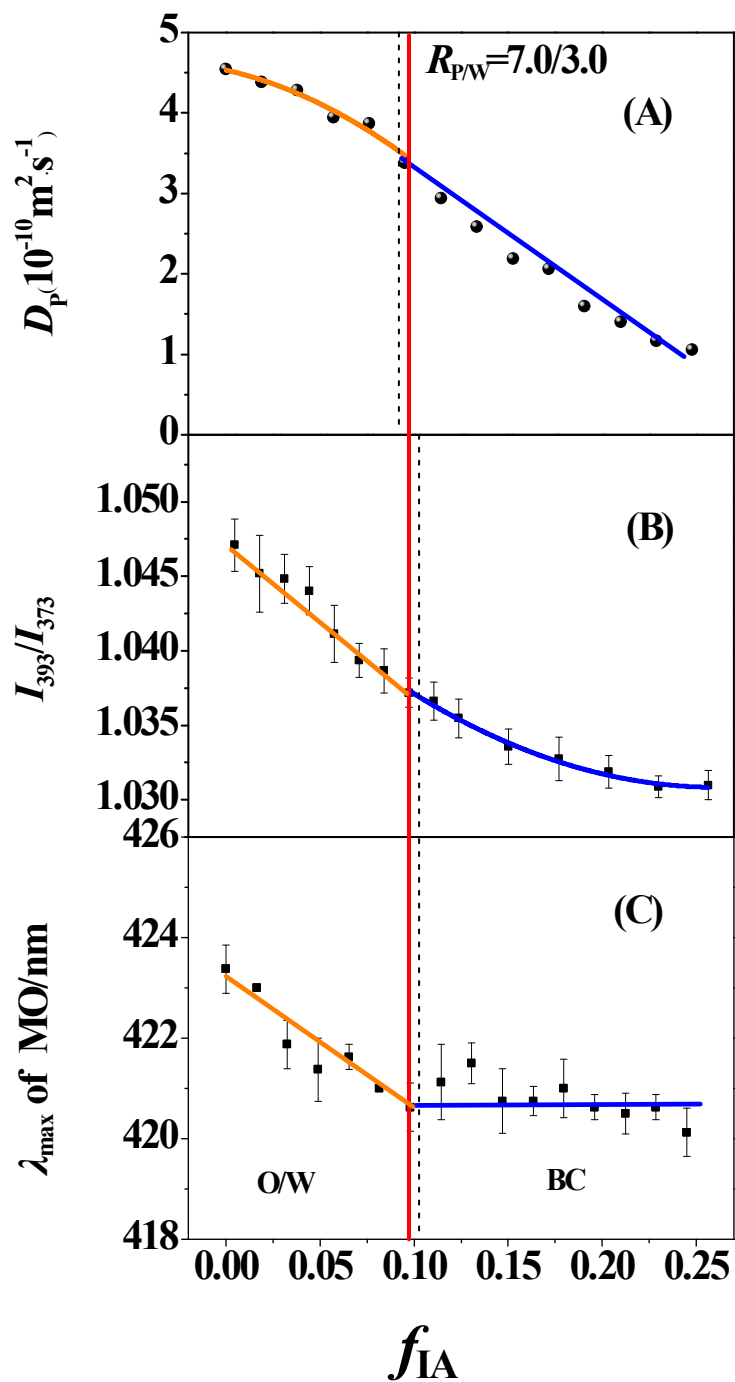


Fig. S6. (A) D_p of $\text{K}_3\text{Fe}(\text{CN})_6$, (B) I_{393}/I_{373} of pyrene, and (C) λ_{max} of MO in microemulsions at $R_{P/W} = 7.0/3.0$ as a function of f_{IA} .

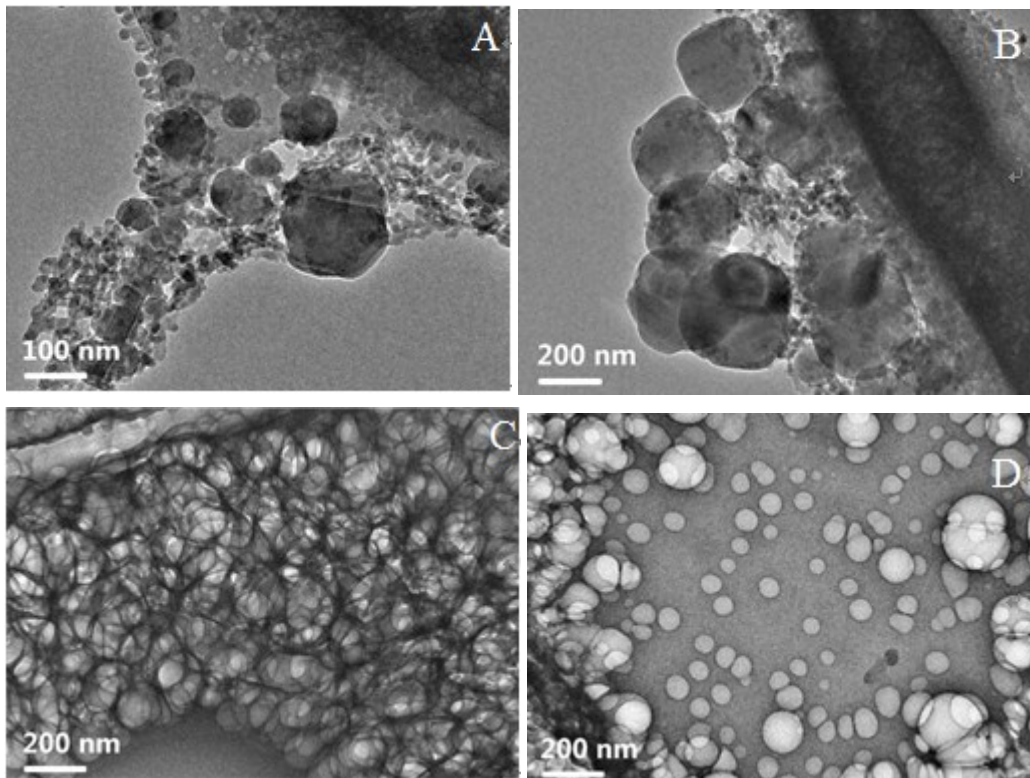


Fig. S7. Cryo-TEM images of samples (A) *a*, (B) *b*, (C) *c*, and (D) *d*. The samples *a* and *b* fall in the O/W subregion, and the samples *c* and *d* fall in the BC and W/O subregions, respectively, as marked in Fig. 1.