Electronic supplementary Information for the Manuscript:

Influence of hydrotropic coions on the shape transitions of sodium dioctylsulfosuccinate aggregates in aqueous medium†

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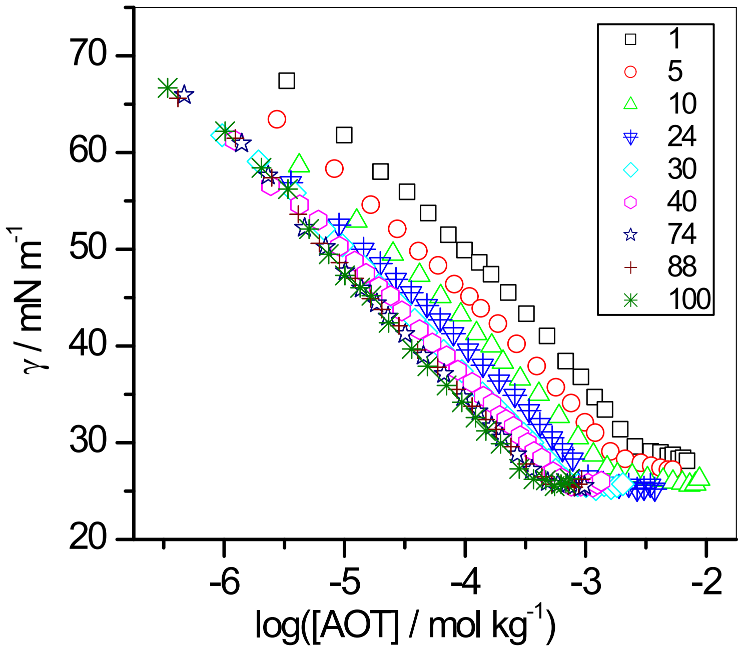

Fig. S1. Representative plots of surface tension of aqueous AOT in the presence of NaB. Concentrations of NaB in mmol kg^{-1} are given in the inset.

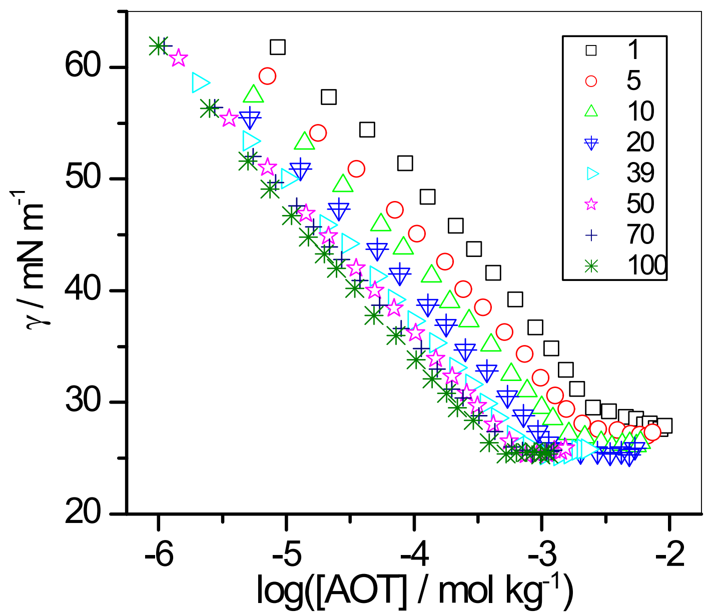

Fig. S2. Representative plots of surface tension of aqueous AOT in the presence of NaSa. Concentrations of NaSa in mmol kg^{-1} are given in the inset.

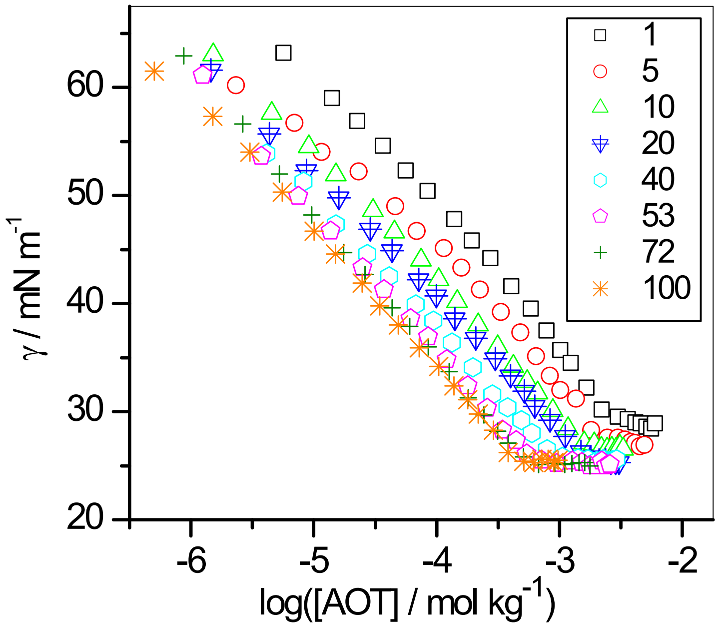

Fig. S3. Representative plots of surface tension of aqueous AOT in the presence of Na-mHB. Concentrations of Na-mHB in mmol kg^{-1} are given in the inset.

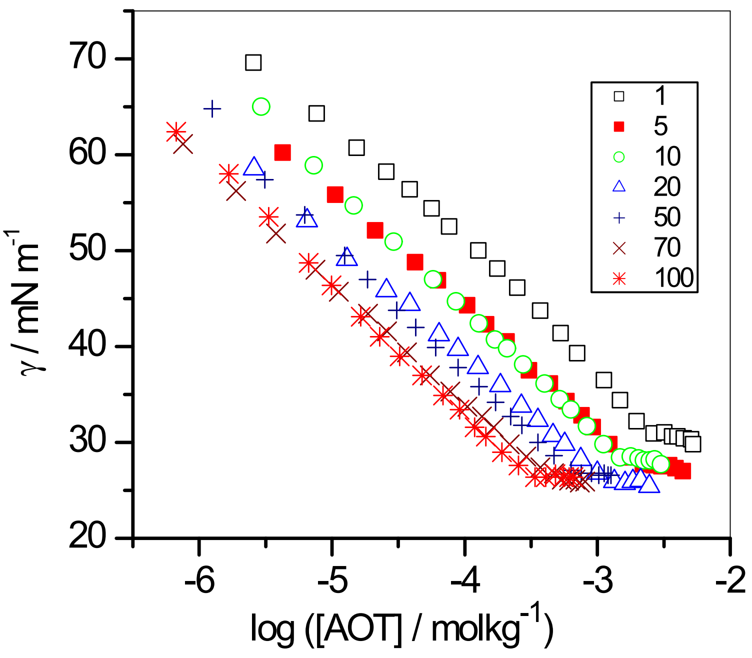

Fig. S4. Representative plots of surface tension of aqueous AOT in the presence of Na-pHB. Concentrations of Na-pHB in mmol kg^{-1} are given in the inset.

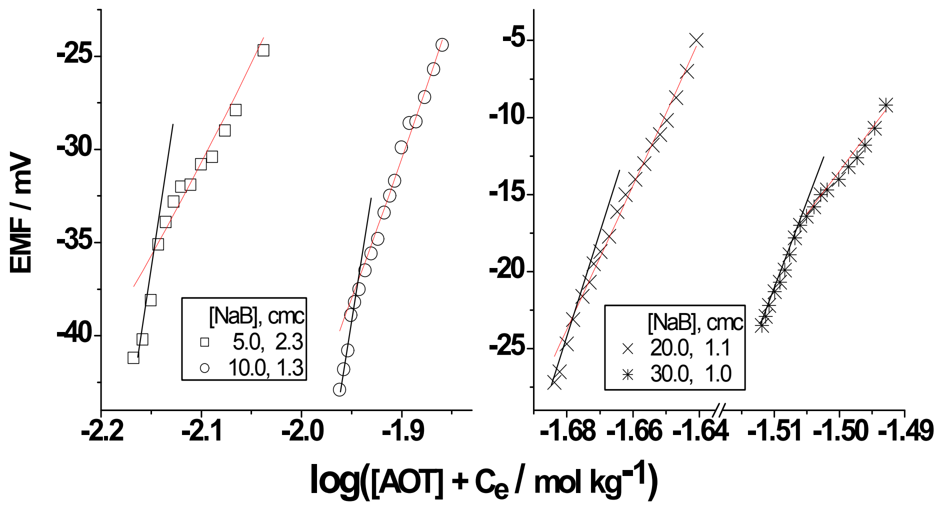

Fig. S5. Variation of EMF of aqueous AOT solution in the presence of sodium benzoate with logarithm of counterion (sodium) concentration at 25 °C. The concentrations of sodium benzoate (C_e) and the cmc values in mmol kg^{-1} units are indicated in the insets. Red lines represent the values of EMF calculated by iteration adjusting the value of β (= 0.4 ± 0.1).

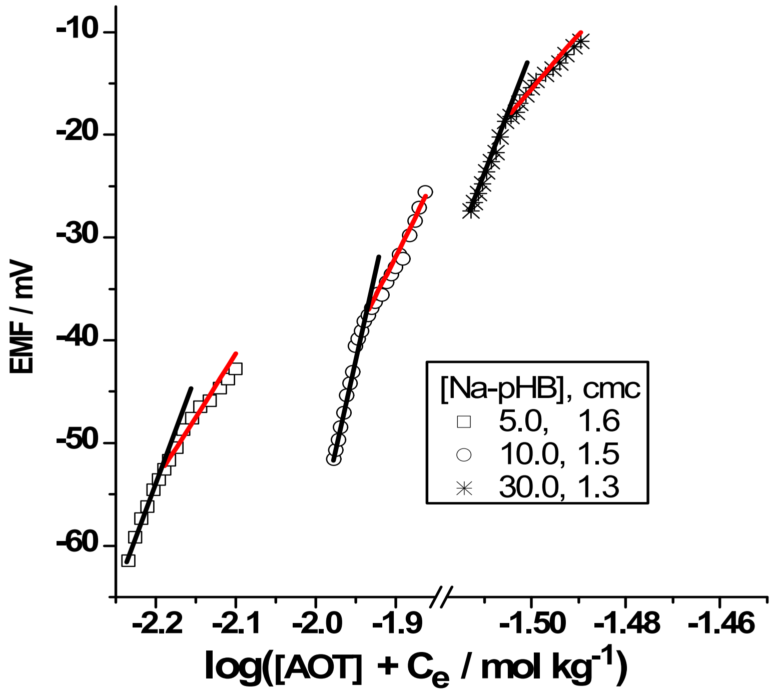

Fig. S6. Variation of EMF of aqueous AOT solution in the presence of sodium p-hydroxybenzoate with logarithm of counterion (sodium) concentration at 25 °C. The concentrations of sodium p-hydroxybenzoate (C_e) and the cmc values in mmol kg^{-1} units are indicated in the insets. Red lines represent the values of EMF calculated by iteration adjusting the value of β (= 0.4 ± 0.1).

Table S1. Cmc values of AOT in aqueous salt solutions at 25 °C obtained from surface tension measurements. Salt concentrations and cmc values are in mmol kg^{-1}.

[NaB]	Cmc	[NaSa]	Cmc	[Na-mHB]	Cmc	[Na-pHB]	Cmc
1.0	2.39	1.0	2.39	1.0	2.34	1.0	2.43
5.0	2.08	5.0	1.82	5.0	1.82	5.0	1.80
10.0	1.53	10.0	1.44	10.0	1.45	10.0	1.50
24.0	1.12	20.0	1.14	20.0	1.20	20.0	1.24
30.0	1.02	39.0	0.81	40.0	0.88	30.0	1.19
40.0	0.91	50.0	0.73	53.0	0.63	50.0	0.67
74.0	0.48	70.0	0.65	72.0	0.50	60.0	0.53
88.0	0.42	100.0	0.51	100.0	0.38	70.0	0.47
100.0	0.36					100.0	0.32