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Correction to “The Effect of Solvent and Counterion Variation on Inverse Micelle CMCs in Hydrocarbon Solvents”

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In the original version of our article, “The Effect of Solvent and Counterion Variation on Inverse Micelle CMCs in Hydrocarbon Solvents” [1], the secondary y -axis on Figure 4 was not presented correctly. This y -axis should be linear in volume (v) rather than in radius (r). The values of n_{agg} are correct in the original version.

A new version of Figure 4 is now presented with a corrected secondary y -axis showing the inverse micelle volume.

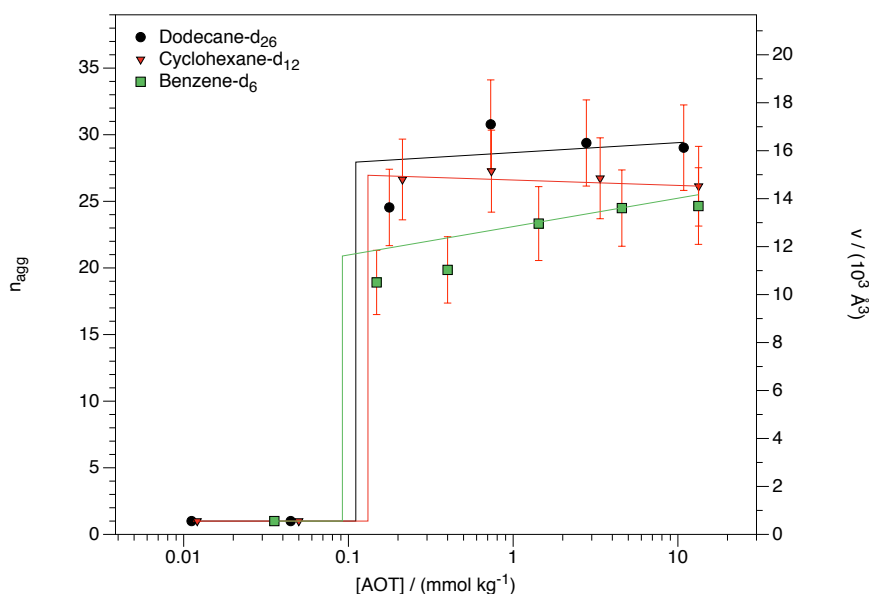


Figure 4: The inverse micelle CMC for AOT in different organic solvents in mmol kg^{-1} . Both n_{agg} and the inverse micelle radius volume (v) are shown as n_{agg} is a function solely of v , calculated from the radius (r) determined from SANS, when the surfactant molecular volumes are equal. The CMCs are essentially identical, despite the solvents being chemically different.

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References

- [1] G. N. Smith, P. Brown, C. James, S. E. Rogers, J. Eastoe, The effect of solvent and counterion variation on inverse micelle CMCs in hydrocarbon solvents, *Colloids Surf. A: Physicochem. Eng. Aspects* 494 (2016) 194–200. doi:10.1016/j.colsurfa.2016.01.020.