Electronic Supplementary Information

RSC Adv. manuscript

'Synthesis of Silsesquioxane-based Element-block Amphiphiles and Their Self-assembly in Water'

by S. Yusa *et al.*

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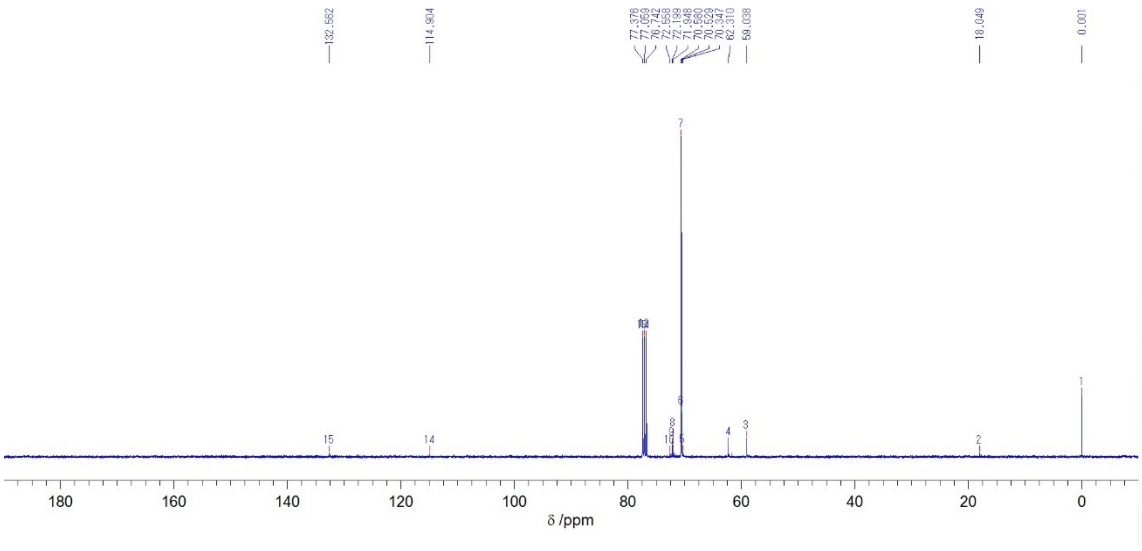

Figure S1. ^{1}H NMR spectrum (400 MHz) of **2** in $CDCl_3$.

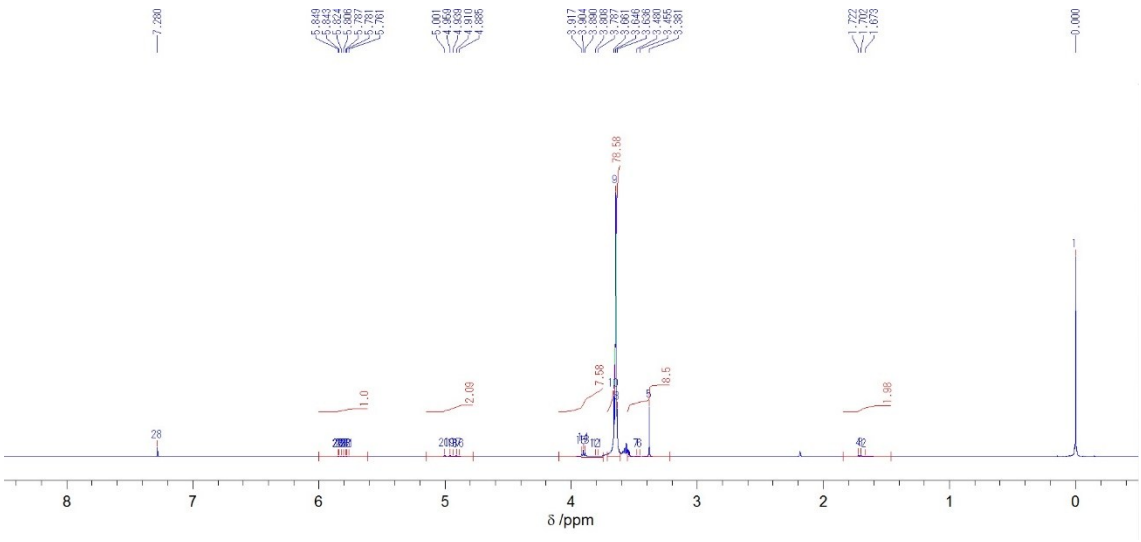

Figure S2. ^{13}C NMR spectrum (100 MHz) of **2** in $CDCl_3$.

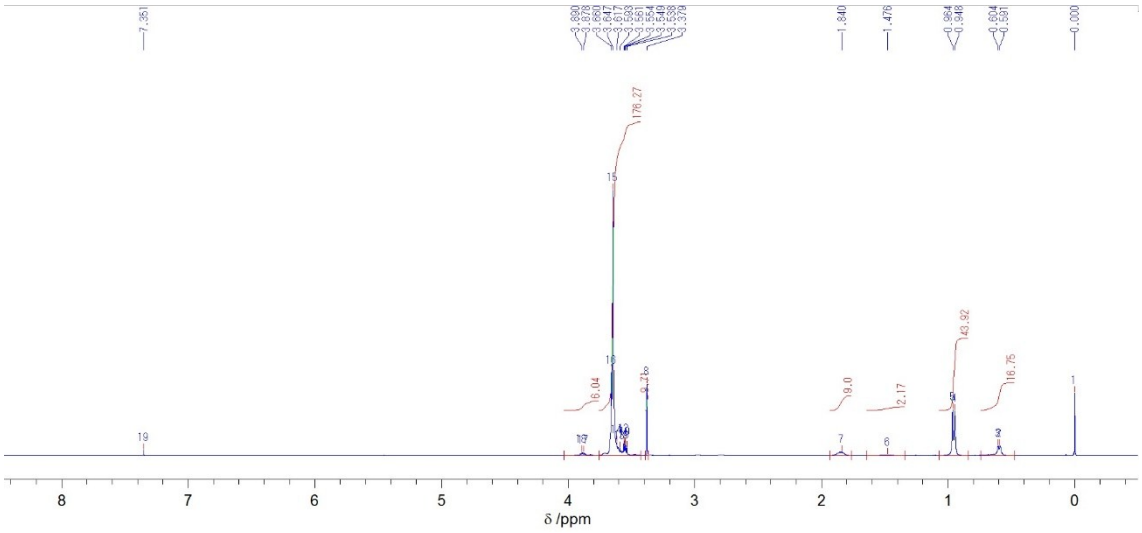

Figure S3. ^{1}H NMR spectrum (400 MHz) of CC-3PEG600 in $CDCl_3$.

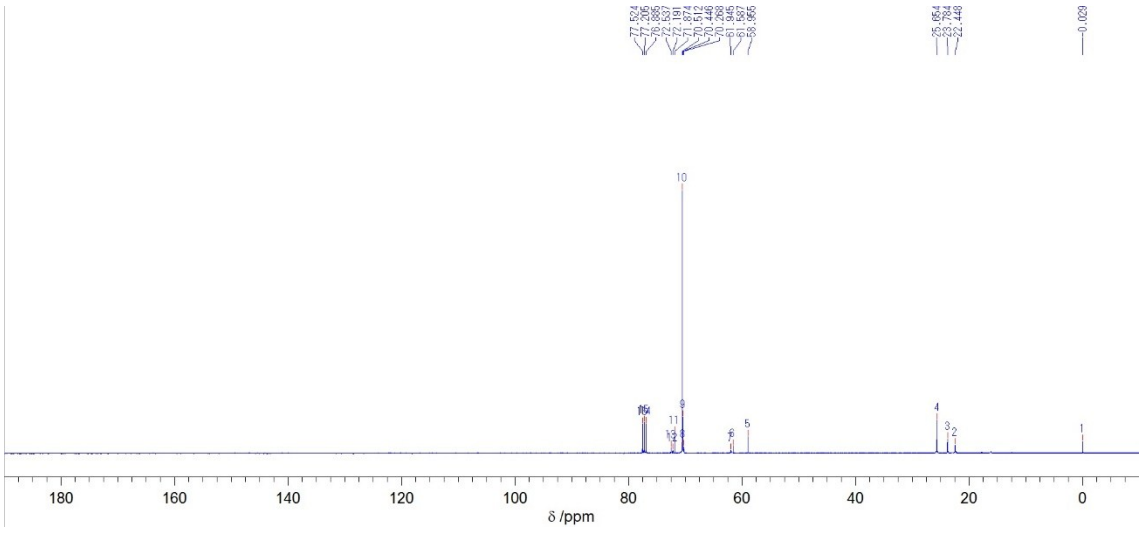

Figure S4. ^{13}C NMR spectrum (100 MHz) of CC-3PEG600 in $CDCl_3$.

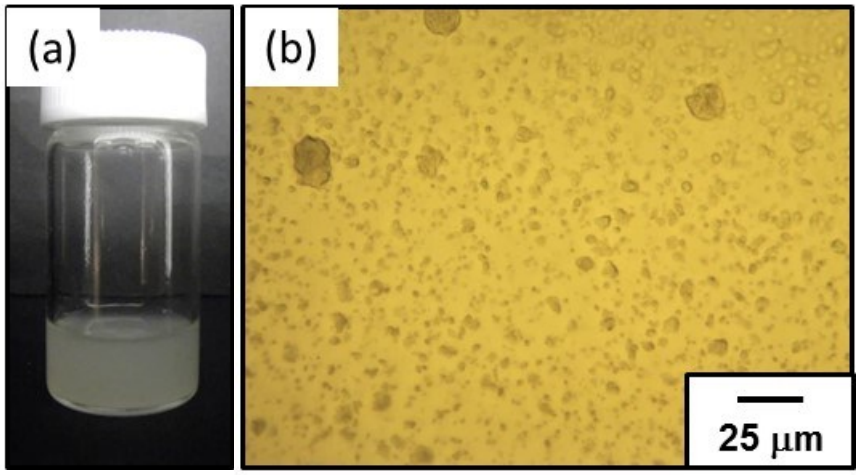

Figure S5. (a) Digital photograph and (b) optical microscopy image of aqueous dispersion of CC-3PEG600 (10 g/L).

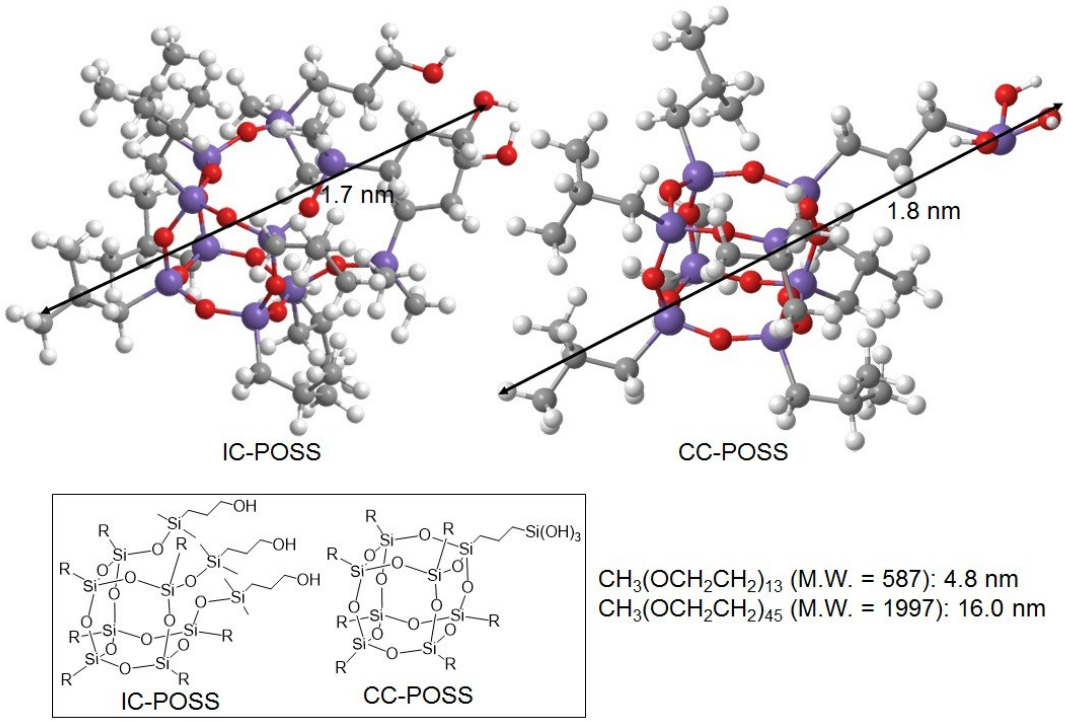

Figure S6. Numerical analysis of IC-3PEGH600, IC-3PEG2000 and CC-3PEG600 molecules using a ChemBio3D ver 14 software.

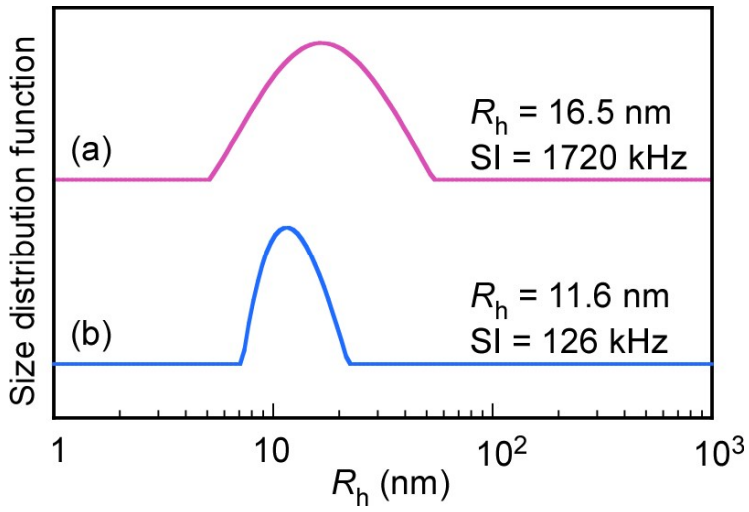

Figure S7. Hydrodynamic radius (R_h) distributions for IC-3PEG600 in pure water at C_p = 10 (a) and 1.0 g/L (b).

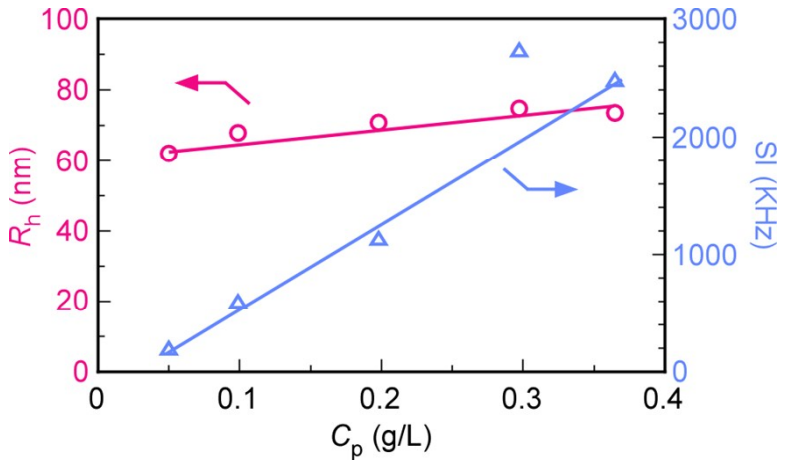

Figure S8. Hydrodynamic radius (R_h, ○) and scattering intensity (SI, △) for CC-3PEG600 in pure water as a function of polymer concentrations (C_p).