Supplementary Material:

Templating Silica Network Construction Using 3,5-Dihydroxybenzylalcohol Based Dendrimers: Influence of Dendrimer Aggregation on Evolving Network Structure

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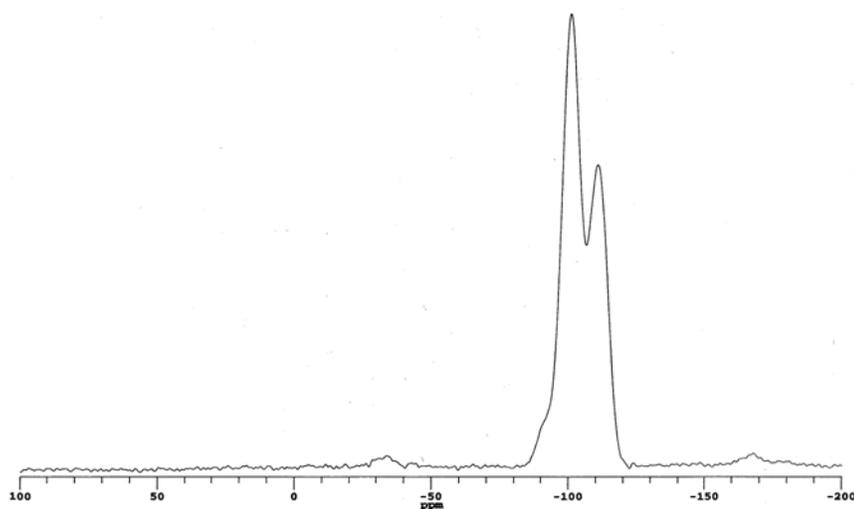**Figure 1:** Solid-state ^{29}Si-NMR spectrum of the G0 templated network.

Figure 2: Solid state ^{13}C{^{1}H}-NMR spectra of the G-5 templated network before and after dendrimer removal.
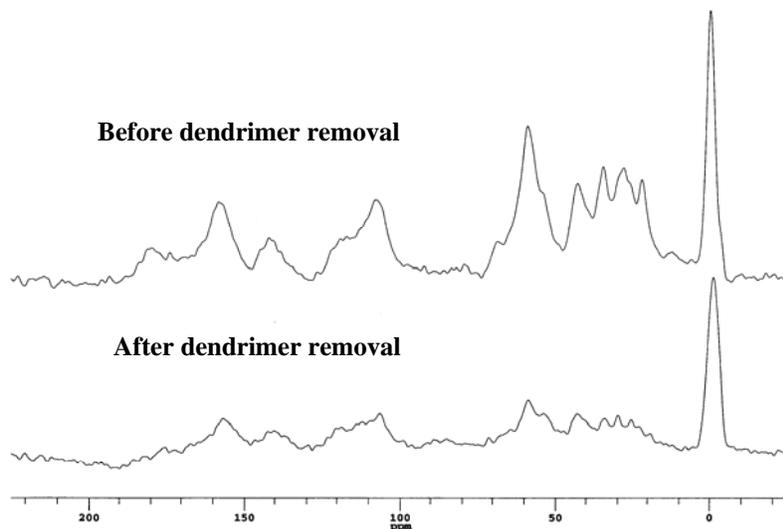

Before dendrimer removal

After dendrimer removal

Figure 3: ^{1}H NMR of 3,5-dihydroxybenzylalcohol (DHBA) in deuterated-DMSO before reacting with $Si(NMe_2)_4$ (bottom). The OH groups appear at 9.068 (phenolic OH, singlet) and 4.992 (benzylic OH, triplet) ppm. Upon reacting with $Si(NMe_2)_4$ the latter peaks disappear. The benzylic CH_2 that appeared as a doublet due to coupling with OH now appears as a singlet at 4.294.
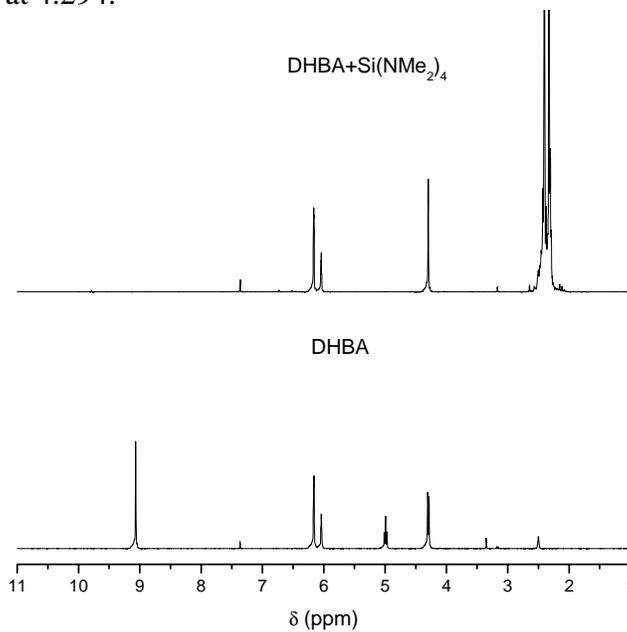
Figure **4**: Photographic images of G1 templated silica network (after dendrimer removal) placed in water (**a**) and THF (**b**).

(view from the top) (view from the top)
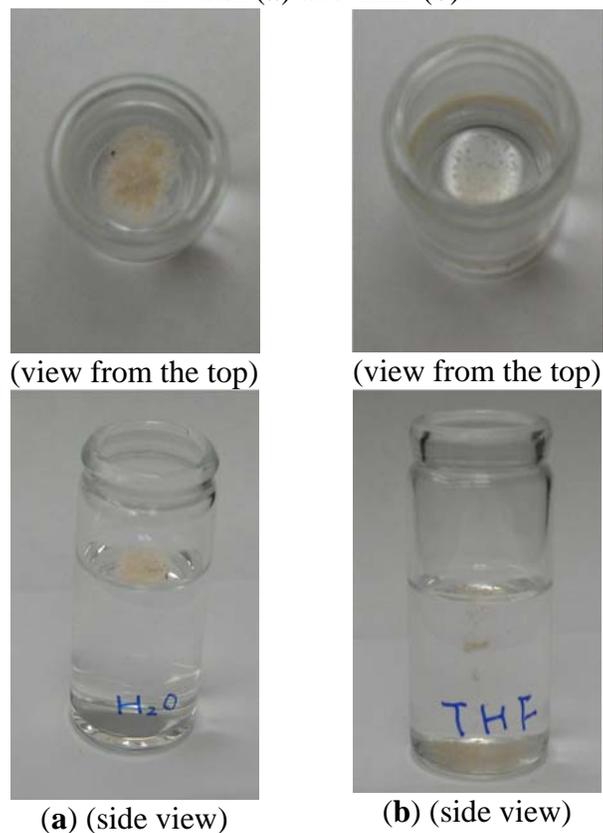

(**a**) (side view) (**b**) (side view)

Figure **5**: Photographic image of G3 templated network before (left, white in color) and after DR1 encapsulation (right, red in color).