Dendrimer-encapsulated Pd nanoparticles as catalysts for C-C crosscouplings in flow microreactors

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SUPPORTING INFORMATION

Fig. S1 UV-vis spectra of 5 µM solutions of G3-OH(Pd²⁺) and G3-OH(Pd⁰).



Fig. S2 XPS analysis of a G3-OH(Pd⁰)-functionalized SiO₂ surface.



Fig. S3 TEM image of G3-OH(Pd) NPs (left; scale bar 10 nm) and nanoparticle size distribution (right).



Fig. S4 HRSEM of a G3-NH₂(Pd)-functionalized SiO₂ surface (scale bar 20 nm).



Fig. S5 GC chromatogram of entry 1 reaction, Table 1.



Fig. S6 GC chromatogram of entry 2 reaction, Table 1.



Fig. S7 GC chromatogram of entry 3 reaction, Table 1.



Fig. S8 GC chromatogram of entry 4 reaction, Table 1.



Fig. S9 GC chromatogram of entry 5 reaction, Table 1.



Fig. S10 GC chromatogram of entry 6 reaction, Table 1 (dodecane used as internal standard).



Fig. S11 GC chromatogram of entry 7 reaction, Table 1.



Fig. S12 GC chromatogram of entry 8 reaction, Table 1.



Fig. S13 GC chromatogram of entry 9 reaction, Table 1.



Fig. S14 GC chromatogram of entry 10 reaction, Table 1.



Fig. S15 GC chromatogram of entry 11 reaction, Table 1.



Fig. S16 GC chromatogram of entry 12 reaction, Table 1.



Fig. S17 GC chromatogram of entry 13 reaction, Table 1.



Fig. S18 GC chromatogram of entry 14 reaction, Table 1.



Fig. S19 GC chromatogram of entry 15 reaction, Table 1.



Fig. S20 GC chromatogram of entry 16 reaction, Table 1.



Fig. S21 GC chromatogram of entry 17 reaction, Table 1.



Fig. S22 GC chromatogram of entry 18 reaction, Table 1.



Fig. S23 GC chromatogram of entry 19 reaction, Table 1.



Fig. S24 GC chromatogram of the Heck-Cassar coupling between iodobenzene and phenylacetylene.