Figure 1. GC-FID chromatogram of the silane mixture. Components: hexane (1), p-xylene (2), 1,3,5-tris[diethoxysila]cyclohexane (3), allyl-1,3,5-tris[diethoxysila]cyclohexane (4) and bis-allyl-1,3,5-tris[diethoxysila]cyclohexane (5).
Figure 2. MS spectra of 1,3,5-tris(diethoxysila)cyclohexane (a), allyl-1,3,5-tris(diethoxysila)cyclohexane (b) and bis-allyl-1,3,5-tris(diethoxysila)cyclohexane (c).
Figure 3. XRD-diffractogram of the spray dried particles.
Figure 4. TEM micrographs depicting the particle pore structure.
Scheme 1. Thiolene-click of octadecane thiol on allyl functionalized organosilica particles.