Self-Supported NHC–Palladium Catalyst for the Strecker Synthesis

**Significance:** The organometallic hollow sphere (OMHS) catalyst was prepared by self-supporting of Pd(OAc)$_2$ and tetrahedral 1 having four imidazolium salts. The Strecker reaction of aryl methyl ketones 2 with OMHS gave the corresponding $\alpha$-aminonitriles 3 in 3–91% yield.

**Comment:** The average diameter of OMHS was 1.50±0.15 μm. OMHS was reused twice without loss of catalytic activity. The catalyst was characterized with SEM, TEM, EDS, TGA, elementary analysis, and solid-phase $^{13}$C NMR spectroscopy.

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SYNFACTS 2011, 3, 0337-0337 Published online: 16.02.2011
DOI: 10.1055/s-0030-1259462; Reg-No.: Y00711SF