Two Steps to Porosity

Significance: The authors describe the application of a sixfold Suzuki–Miyaura coupling on **1** followed by a Scholl oxidation to yield the corresponding triphenylenes **3**. By using this method, the highly branched iptycene **7** was synthesized in four steps.

Comment: The success of the oxidative formation of the triphenylenes depends on the substitution pattern of the terphenylenes. Compound **3g** could be observed but not isolated. The materials are expected to be intrinsically porous; however, absorption properties were not reported.

SYNFACTS Contributors: Timothy M. Swager, Jens U. Engelhart
 Synfacts 2015, 11(12), 1263 Published online: 17.11.2015
 DOI: 10.1055/s-0035-1560957; Reg-No.: S11915SF