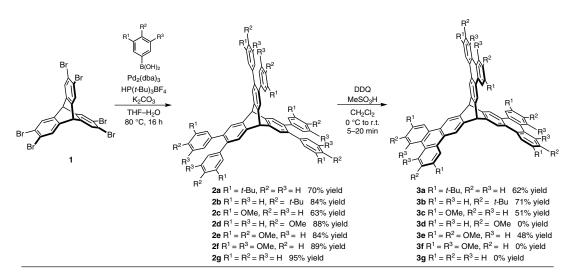
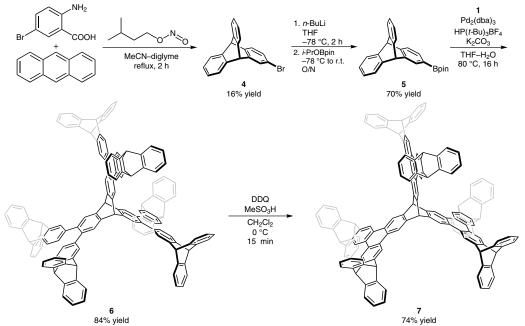
D. REINHARD, F. ROMINGER, M. MASTALERZ\* (RUPRECHT-KARLS-UNIVERSITÄT HEIDELBERG, GERMANY)

Synthesis of Triphenylene-Based Triptycene via Suzuki–Miyaura Cross-Coupling and Subsequent Scholl Reaction *J. Org. Chem.* **2015**, *80*, 9342–9348.

## **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.

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**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.

## Category

Synthesis of Materials and Unnatural Products

## **Key words**

porous materials
iptycenes
cross-coupling



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