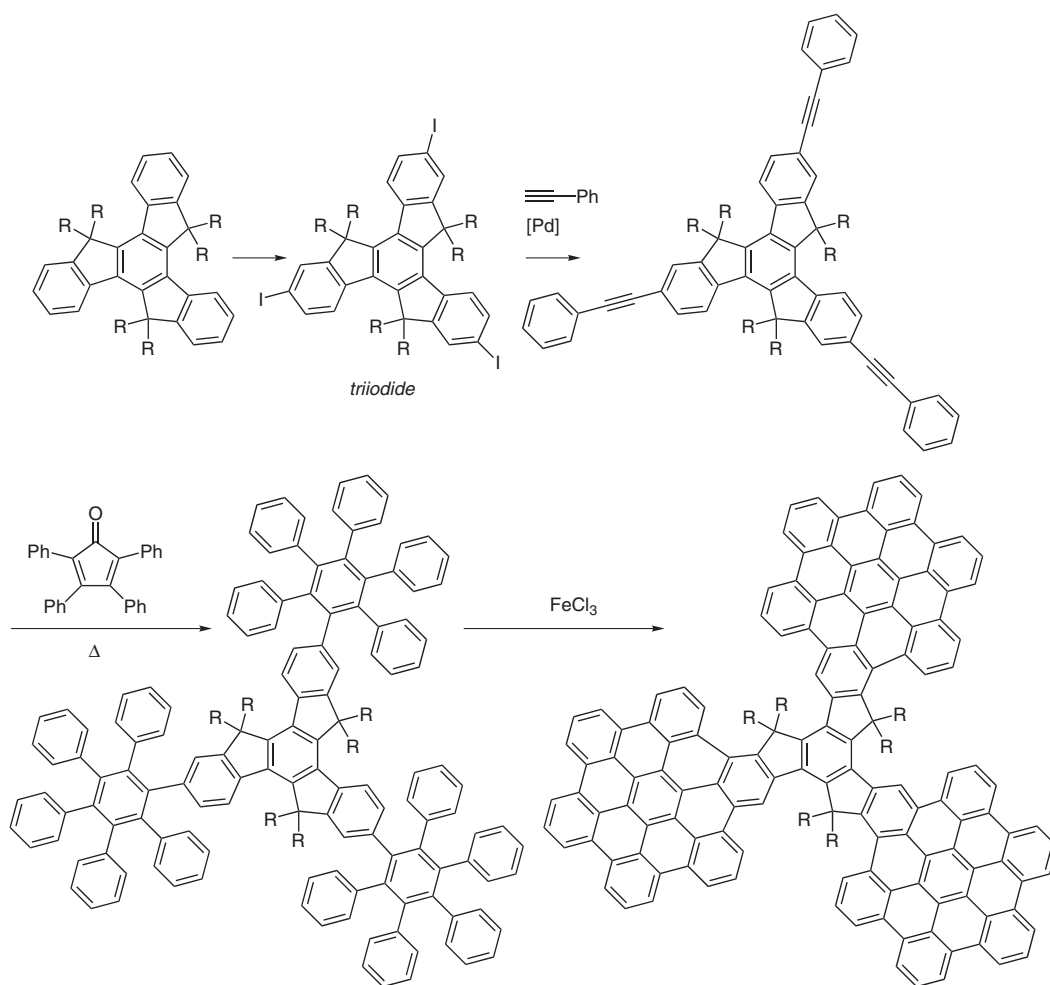


X.-Y. CAO, H. ZI, W. ZHANG, H. LI, J. PEI\* (PEKING UNIVERSITY, P. R. OF CHINA)

Star-Shaped and Linear Nanosized Molecules Functionalized with Hexa-*peri*-hexabenzocoronene: Synthesis and Optical Properties*J. Org. Chem.* **2005**, *70*, 3645-3653.

## Preparation of Star-Shaped Linear Nanosized polycyclic aromatics



**Significance:** Nanosized molecules bearing mono-, bi-, and tris(hexa-*peri*-hexabenzocoronene) group(s) (HBC) were prepared from truxene derivatives (R = hexyl) via Sonogashira coupling and decarbonylative Diels–Alder reaction followed by the oxidation with FeCl<sub>3</sub> (preparation of trisHBC derivative is shown above).

**Comment:** The structural analysis and the optical properties of the star shaped aromatics were performed with MALDI-TOF, UV-Vis and other methods.

**SYNFACTS Contributors:** Yasuhiro Uozumi  
Synfacts 2005, 0, 0034-0034  
**DOI:** 10.1055/s-2005-869982; **Reg-No.:** Y01505Sf

2005 © THIEME STUTTGART • NEW YORK