Expanded $[n]$Radialenes: Unusual Carbon-Rich Molecules


Comment: Synthesis of the extended radialenes 1 and 2 is accomplished by a one-pot deprotection and palladium-catalyzed cross-coupling reaction of common intermediates 3 and 4, respectively. Increased bond-angle strain appears to reduce yields in the synthesis of 2 compared to 1. A modified synthesis that leads to $C_2$-symmetric expanded $[4]$radialenes is also presented in this work.

SYNFACTS Contributors: Timothy M. Swager, Derik K. Frantz
SYNFACTS 2014, 10(1), 0037 Published online: 13.12.2013 DOI: 10.1055/s-0033-1340394; Reg-No.: S15013SF