Supporting Information

Selective Preparation of \( C_{2v} \)-Symmetric Hexaphenylbenzene Derivatives Through Sequential Suzuki Coupling

Kazuho Ogata, Tatsuo Kojima*, and Shuichi Hiraoka*

Department of Basic Science, Graduate School of Arts and Sciences
The University of Tokyo
3-8-1 Komaba, Meguro-ku, Tokyo 153-8902, Japan
E-mail: chiraoka@mail.ecc.u-tokyo.ac.jp, ckojima@mail.ecc.u-tokyo.ac.jp

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General Information

$^1$H and $^{13}$C NMR spectra were recorded using a Bruker AV-500 (500 MHz) spectrometer. All $^1$H spectra were referenced using a residual solvent peak, CDCl$_3$ ($\delta$ 7.26). All $^{13}$C spectra were referenced using a solvent peak, CDCl$_3$ ($\delta$ 77.16). Electrospray ionization time-of-flight (ESI-TOF) mass spectra were obtained using a Waters Xevo G2-S ToF mass spectrometer. Melting points were determined using a SCINICS SMP-300 instrument. Column chromatography was performed using SiO$_2$ [Merck, silica gel 60 for column chromatography (230-400 mesh ASTM)].

Materials

Unless otherwise noted, all solvents and reagents were obtained from commercial suppliers (TCI Co., Ltd., WAKO Pure Chemical Industries Ltd., KANTO Chemical Co., Inc., and Sigma-Aldrich Co.) and were used as received. Compound 6 was prepared according to the literature.$^1$

Reference

$\text{H and } ^{13}\text{C NMR spectra of compound 2, 7, and 8}$