Combined Suzuki Coupling – Wittig Olefination Reaction in Aqueous Medium

Kyoko Yamamoto^a, Masataka Watanabe^a, Kyoko Ideta^b, Shuntaro Mataka^b, and Thies Thiemann^b

^a Interdisciplinary Graduate School of Engineering Sciences and

b Institute of Materials Chemistry and Engineering, Kyushu University, 6-1, Kasuga-koh-en,

Kasuga-shi, 816-8580, Japan

Reprint requests to Dr. T. Thiemann. E-mail: thies@cm.kyushu-u.ac.jp. Fax: (0081) +(0)92-583-7894

Z. Naturforsch. 60b, 1299 – 1307 (2005); received August 25, 2005
 Bromoarene carbaldehydes and bromoheteroarene carbaldehydes underwent a one-pot Suzuki cross coupling and Wittig olefination in aqueous medium to give compounds with extended

π-systems.

Key words: Suzuki Cross Coupling, Wittig Olefination, Aqueous Medium, One Pot Reaction