

Bull. Inst. Chem. Res., Kyoto Univ., Vol. 61, No. 4, 1983 Kinetic Study of the Carboxymethylation of Aryl Iodides catalyzed by Palladium-Triphenylphosphine Complexes; Kenji INAMASAKI, Yoshi KUDO and Nobuyuki SUGITA* Received July 11, 1983

Carboxymethylation reactions of aryl iodides were carried out at 35°C under the constant CO pressure (P_{CO}) using $PdCl_2(PPh_3)_2$ as a catalyst precursor and triethylamine as a base. Methanol and triethylamine were used in such excess that their concentrations would be invariable throughout the reaction. Benzene was added to dissolve aryl iodides. The ratio of methanol, triethylamine and benzene was 10 : 1 : 10 (vol.).