

Supporting Information

**Palladium-Catalyzed Amination of Aryl
Bromides and Aryl Triflates Using
Diphosphane Ligands: a Kinetic Study**

**Yannick Guari, Gino P. F. van Strijdonck, Maarten
D. K. Boele, Joost N. H. Reek, Paul C. J. Kamer
and Piet W. N. M. van Leeuwen***

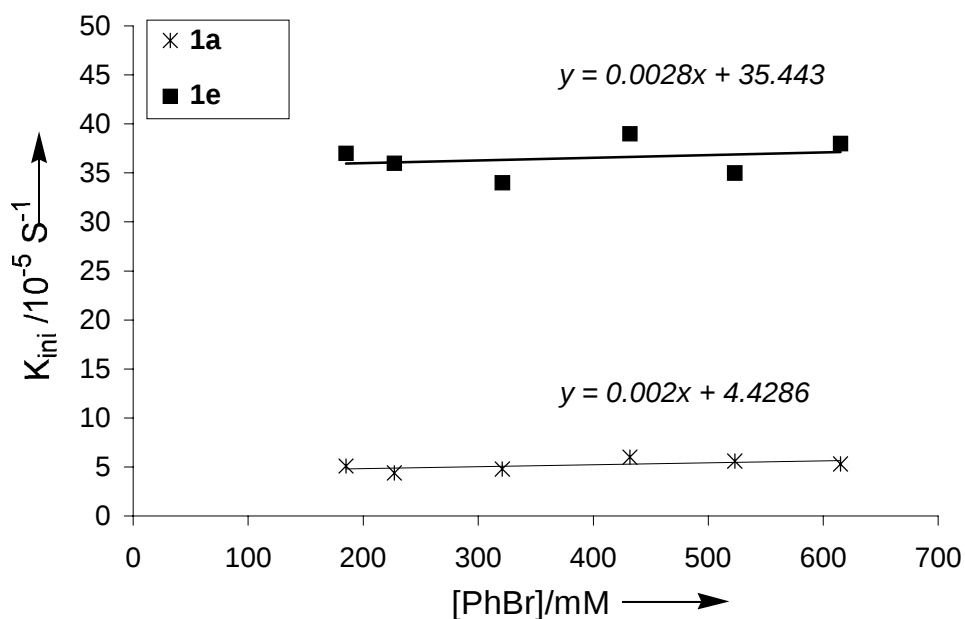
* Prof. dr. P. W. N. M. van Leeuwen, dr. Y. Guari, dr. G. P. F. van Strijdonck, drs. M. D. K. Boele, dr. J. N. H. Reek, dr. P. C. J. Kamer

Institute of Molecular Chemistry, Department of Inorganic Chemistry, Universiteit van Amsterdam, Nieuwe Achtergracht 166, NL-1018 WV Amsterdam, The Netherlands.

Fax: (+31) 20-5256456

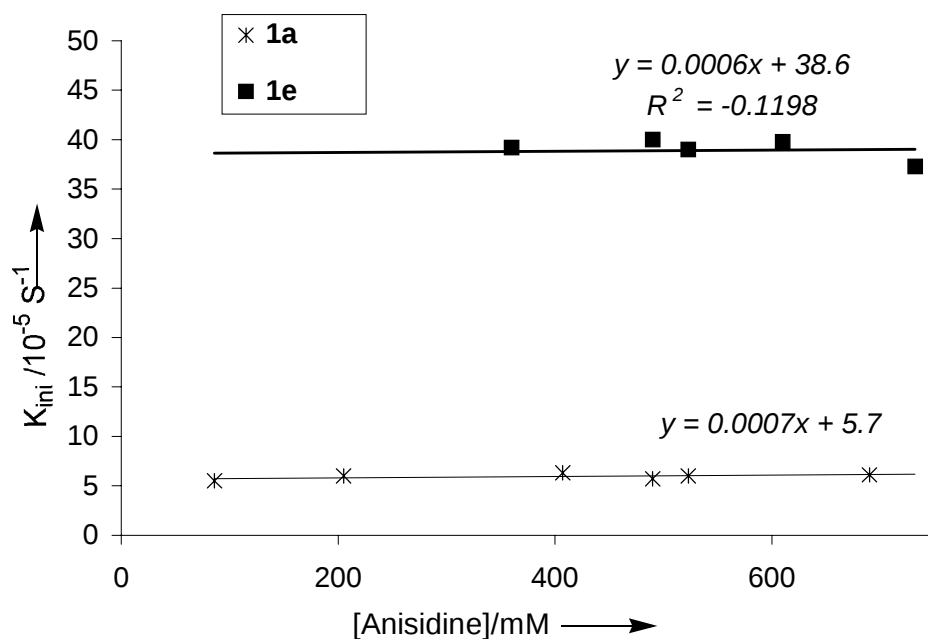
E-mail: pwnm@anorg.chem.uva.nl

Plot of the $k_{ini}^{[a]}$ versus $[PhBr]$ for the reaction of bromobenzene



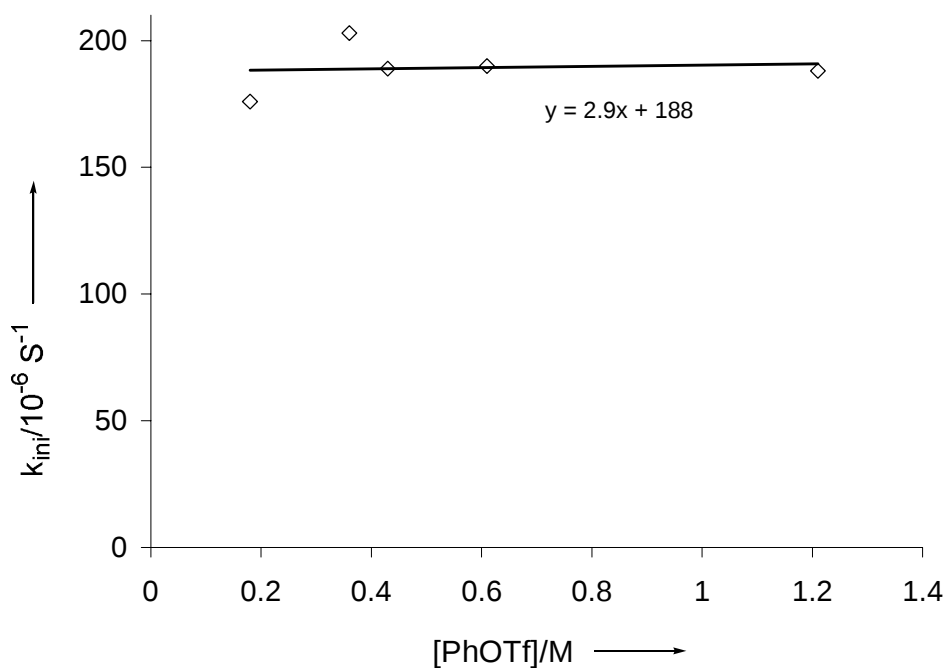
with 2-methoxyaniline in toluene at 313 K catalyzed by complexes **1a** and **1e**.^[b]

^[a]measured after 6 minutes. ^[b]For experimental details: see Experimental Section.



Plot of the $k_{ini}^{[a]}$ versus $[2\text{-methoxyaniline}]$ for the reaction of bromobenzene with 2-methoxyaniline in toluene at 313 K catalyzed by complexes **1a** and **1e**.^[b]

^[a]measured after 6 minutes. ^[b]For experimental details: see Experimental Section.



Plot of the $k_{ini}^{[a]}$ versus $[\text{PhOTf}]$ for the reaction of phenyltriflate with 2-methoxyaniline in toluene at 313 K catalyzed by complex **2e**. ^[b]

^[a]measured after 6 minutes. ^[b]For experimental details: see Experimental Section.