

# A New Highly Active Diphosphane-Palladium(II) Complex as a Catalyst Precursor for the Heck Reaction

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*In Table 1 on page 2910 the given amounts of added olefin and aryl halide were inadvertently misplaced. The correct version of this table is printed below.*

Table 1. Selected results of the Heck reaction with complex **6**; experiments conducted with 1.2 equivalents of Bu<sub>3</sub>N in NMP except where noted

No.	Olefin (mmol) <sup>[a]</sup>	ArX (mmol) <sup>[b]</sup>	<b>6</b> (mmol) × 10 <sup>−5</sup>	time/temp (h)/(°C)	TON <sup>[c]</sup>	Yield (%) <sup>[d]</sup>	TOF (h <sup>−1</sup> ) <sup>[e]</sup>
1	mac (9)	PhI (6)	6	9/120	100 000	100	11 111
2	mac (36)	PhI (24)	2	100/120	1176 000	98	11 760
3	bac (15)	PhI (10)	2	56/120	495 000	99	8 840
4	sty (15)	PhI (10)	2	54/120	490 000	98 <sup>[f]</sup>	9 075
5 <sup>[g]</sup>	mac (15)	PhI (10)	3	36/120	333 000	99	9 250
6 <sup>[h]</sup>	mac (15)	PhI (10)	3	95/120	320 000	95	3 370
7	mac (15)	4-bba (10)	3	32/120	333 000	99	10 410
8	bac (15)	4-bba (10)	3	41/120	333 000	99	8 125
9	mac (15)	PhBr (10)	4	79/140	235 000	94	2 975
10	bac (15)	PhBr (10)	4	90/140	207 500	83	2 310

<sup>[a]</sup> mac = methyl acrylate, bac = *n*-butyl acrylate, sty = styrene. — <sup>[b]</sup> 4-bba = 4-bromobenzaldehyde. — <sup>[c]</sup> TON = Turnover number (mol product/mol catalyst). — <sup>[d]</sup> GC yield using 2-methylnaphthalene as internal standard. — <sup>[e]</sup> TOF = Turnover frequency (mol product/mol catalyst × time). — <sup>[f]</sup> *trans*-stilbene/*cis*-stilbene = 9. — <sup>[g]</sup> Dioxane as solvent. — <sup>[h]</sup> Mesitylene as solvent.

*In the first paragraph of the Exp. Sect. on page 2910 it was inadvertently stated that LiPPh<sub>2</sub> was prepared from *n*BuLi and PPh<sub>2</sub>Cl. It should correctly say that LiPPh<sub>2</sub> was prepared from *n*BuLi and HPPh<sub>2</sub>.*

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