

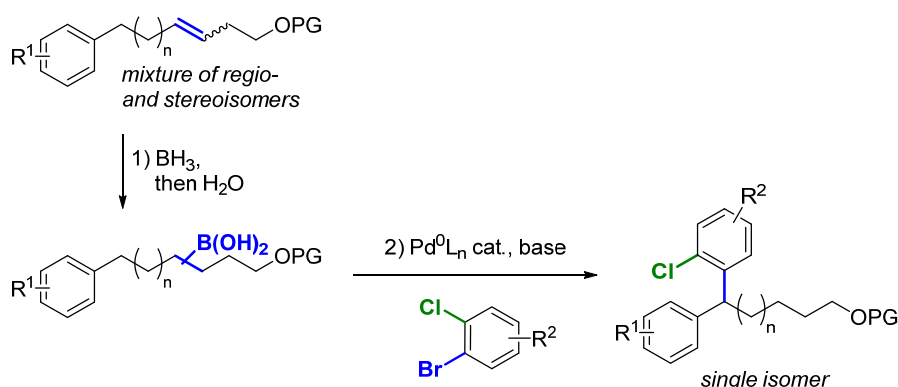
# ONE-POT ALKENE HYDROBORATION/MIGRATORY SUZUKI-MIYAUURA CROSS-COUPLING

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The development of C-H bond functionalization has exponentially increased since the start of the 21st century expanding the organic reaction toolbox. Challenging site-selective transformations were e.g. achieved with the introduction of a directing group or by exploiting the intrinsic reactivity of the substrates.<sup>[1]</sup> An alternative to these extensively researched methods exploits the controlled migration of the organotransition-metal species along an alkyl chain to the cross-coupling site.<sup>[2]</sup> Our group has been employing this strategy multiple times over the last years for the Pd-catalyzed  $\beta$ - or longer-range arylation of ester enolates, secondary organozinc reagents as well as surrogates.<sup>[3]</sup>

Here we report the one-pot hydroboration of unactivated internal olefins and migratory Suzuki-Miyaura cross-coupling to the benzylic position. The selectivity is achieved by careful selection of reaction conditions, the *o*-chlorine substituent on the electrophilic coupling partner and blocking the terminal position.



[1] a) Yu, J.-Q., Ed.; *Science of Synthesis*; Georg Thieme Verlag KG: Stuttgart-New York, **2015**; Vol. 1–2. b) Hartwig, J. F. *J. Am. Chem. Soc.* **2016**, *138*, 2–24

[2] H. Sommer, F. Julia-Hernandez, R. Martin, I. Marek, *ACS Cent. Sci.*, **2018**, *4*, 153-165

[3] O. Baudoin, *Chimia*, **2016**, *70*, 768-772.