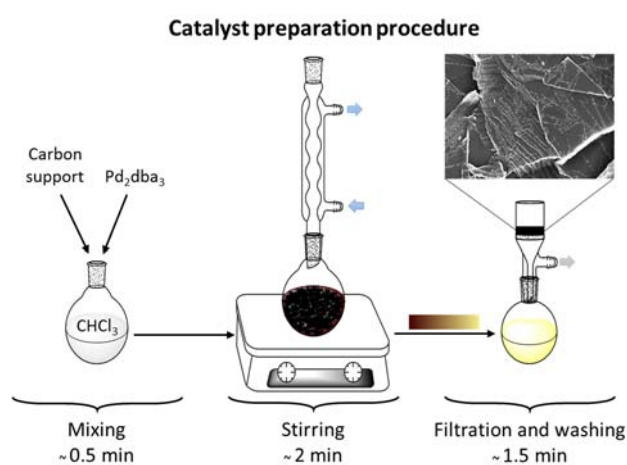


Rapid “Mix-and-Stir” Preparation of Well-Defined Pd/C Catalysts for Efficient Practical Use

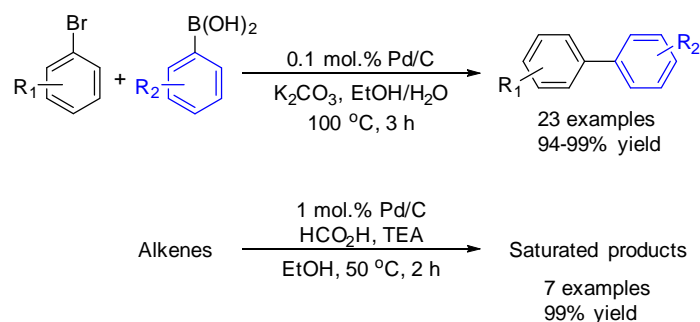
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An attractive approach to prepare palladium on carbon catalysts was reported recently.¹ It consisted of one-step deposition of Pd nanoparticles simply by stirring a solution of tris(dibenzylideneacetone) dipalladium(0) complex with a suitable carbon material. The applied metal complex was smoothly prepared and its purity could be easily controlled by ¹H NMR.²



An extraordinarily rapid catalyst preparation procedure (<5 min) under mild conditions and its excellent performance in cross-coupling and hydrogenation reactions were demonstrated.



At the moment, examination of the catalytic activity of these catalysts in debenzylolation reaction is in process.³

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2. S. S. Zalesskiy, V. P. Ananikov, *Organometallics*, **2012**, *31*, 2302 – 2309.
3. S. A. Yakukhnov, V. P. Ananikov, in press.