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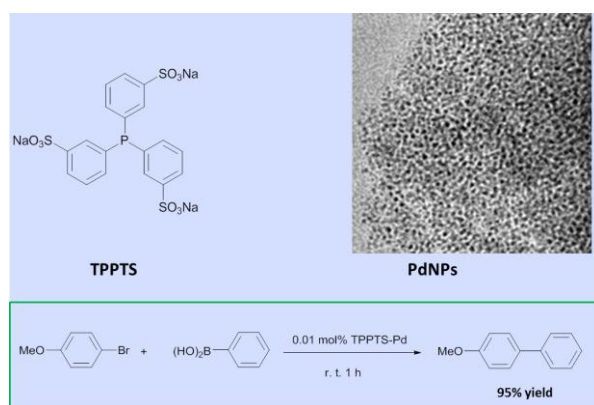
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Palladium nanoparticles stabilized by phosphine ligand for aqueous phase room temperature Suzuki-Miyaura coupling

Jiyuan Ge,^{ab} Jian Jiang,^{*b} Chenhuan Yuan,^b Chaozhi Zhang,^a and Minghua Liu^b

Water soluble phosphine ligand triphenylphosphine-3,3',3''-trisulfonic acid trisodium salt (TPPTS) was used as the stabilizer as well as the activator to the palladium nanoparticles, which showed a high catalytic performance for aqueous phase Suzuki-Miyaura coupling reaction at room temperature.



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