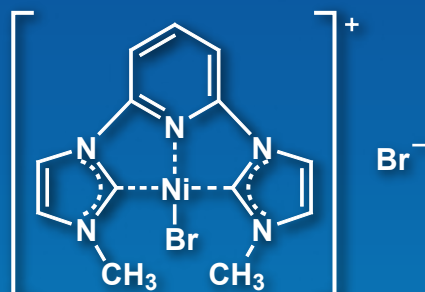
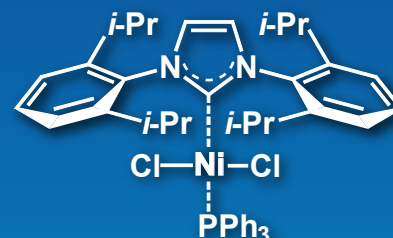


NHC Nickel Complex Catalysts for Cross-Coupling Reactions



Bromo[(2,6-pyridinediyl)bis(3-methyl-1-imidazolyl-2-ylidene)]nickel Bromide

1g
[B3354]



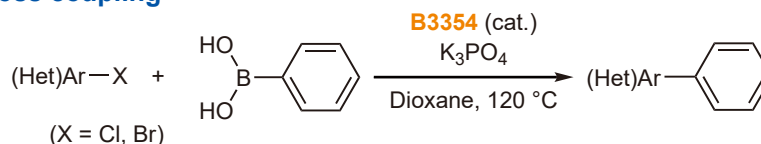
[1,3-Bis(2,6-diisopropylphenyl)imidazol-2-ylidene]triphenylphosphine Nickel(II) Dichloride

200mg / 1g
[B3235]

Advantage Applicable to various cross-coupling reactions for C-C bond formation

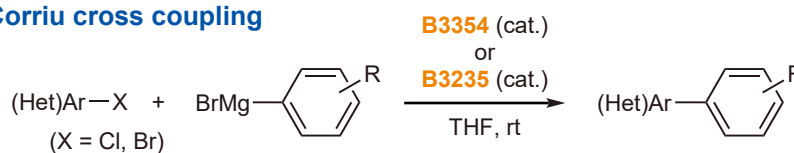
Applications

Suzuki-Miyaura cross coupling



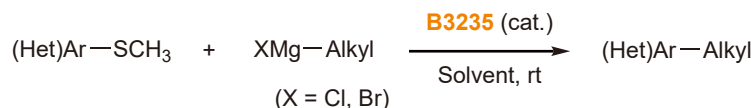
Reference K. Inamoto, J. Kuroda, K. Hiroya, Y. Noda, M. Watanabe, T. Sakamoto, *Organometallics* **2006**, 25, 3095. DOI: <https://doi.org/10.1021/om060043+>

Kumada-Tamao-Corriu cross coupling



References K. Inamoto, J. Kuroda, T. Sakamoto, K. Hiroya, *Synthesis* **2007**, 2853. DOI: <http://doi.org/10.1055/s-2007-983845>
K. Matsubara, K. Ueno, Y. Shibata, *Organometallics* **2006**, 25, 3422. DOI: <https://doi.org/10.1021/om0602658>

Cross coupling of arylthioethers with Grignard reagents



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D. Zhu, L. Shi, *Chem. Commun.* **2018**, 54, 9313. DOI: <https://doi.org/10.1039/C8CC03665A>

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