

Chemistry Letters

Highlight Review

**Heterocyclic Carbene–Metal-catalyzed $\text{Csp}^2\text{--Csp}^2$
and Csp--Csp^2 Couplings Using Nonmetallic Substrates**
Miguel Yus and Isidro M. Pastor**

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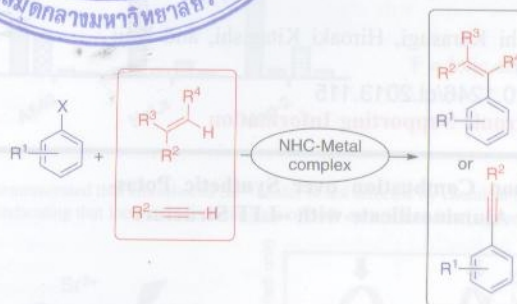
The Chemical Society of Japan

Highlight Review



- 94 Heterocyclic Carbene–Metal-catalyzed Csp²–Csp² and Csp–Csp² Couplings Using Non-metallic Substrates

Miguel Yus* and Isidro M. Pastor*
doi:10.1246/cl.2013.94



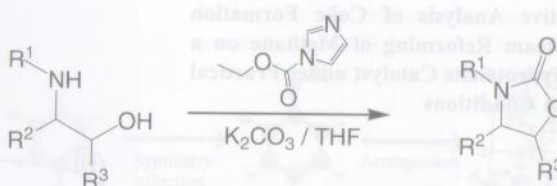
The use of carbene ligands for transition-metal complexes has been developed in the last decades, being of special interest those carbenes derived from a nitrogen-containing heterocyclic system. An interesting variety of carbene–metal complexes has been tested in the Mizoroki–Heck reaction. In comparison, few examples can be found for the Matsuda–Heck version of this coupling reaction. Additionally, the Sonogashira coupling has been also catalyzed with different carbene–metal catalysts.

Letter

- 109 Ethyl Imidazole-1-carboxylate (EImC) as a Carbonylating Agent: Efficient Synthesis of Oxazolidin-2-ones from Amino Alcohols

S. Veeraswamy, K. Indrasena Reddy, R. Venkat Ragavan,* Satyanarayana Yennam, and A. Jayashree
doi:10.1246/cl.2013.109

Electronic Supporting Information



R¹ = Different alkyl groups
R² = Different alkyl (or) aryl groups
R³ = Different alkyl (or) aryl groups

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