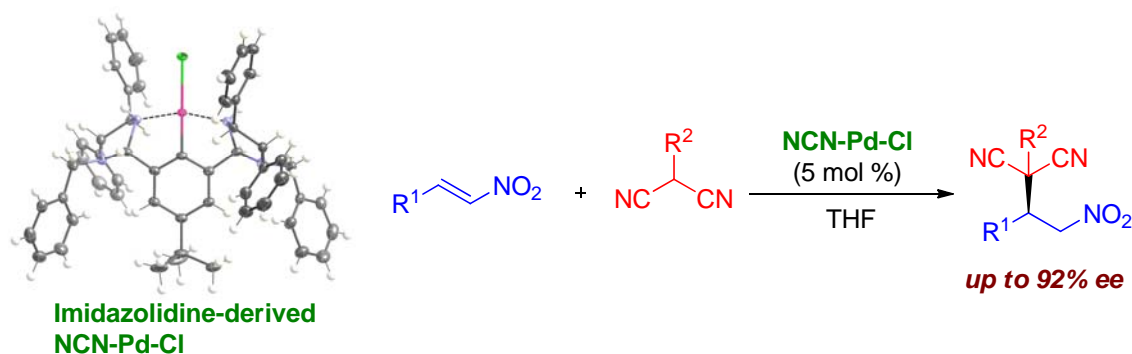


A Neutral, Chiral, Bis(imidazolidine)-Derived NCN-Type Palladium Pincer Complex with Catalytic Activity

Arai, T.; Oka, I.; Morihata, T.; Awata, A.; H. Masu. *Chem. Eur. J.* **2013**, *19*, 1554-1557.



A chiral, imidazolidine-derived NCN-type palladium pincer complex has been prepared using a ligand introduction technique. Single-crystal X-ray diffraction analysis of this complex showed a well-organized asymmetric sphere. The neutral palladium-chloride version exhibited significant catalytic activity for the reaction of nitroalkenes with malononitrile to give products in a highly enantioselective manner.

【研究室の HP】

<http://synthesis.chem.chiba-u.jp/index.htm>