## palladium

L. ZHANG, W. LIU, X. ZHAO* (TONGJI UNIVERSITY, SHANGHAI, P. R. OF CHINA) Carbon-Phosphorus Bond Formation by Enantioselective Palladium-Catalyzed Allylation of Diphenylphosphine Oxide
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## Enantioselective Allylation of Diphenylphosphine Oxide



Significance: Enantioselective reactions for the formation of C-P bonds have received less attention than other carbon-heteroatom bond-forming reactions. The phosphorus-containing products or their derivatives can be used as chiral ligands, for example. Zhao and co-workers describe here the enantioselective allylation of diphenylphosphine oxide and the racemic allylation of diisopropyl phosphonate. Related work by Togni and coworkers has been reported with diarylphosphines (Angew. Chem. Int. Ed. 2008, 47, 4878).
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