Enantioselective Palladium-Catalyzed Dearomatic Heck Reaction

Significance: The authors report an enantioselective palladium-catalyzed dearomatic Heck process, which affords a variety of spiroheterocycles and benzo-fused heterocycles in high yields and enantioselectivities.

Comment: Various sets of conditions were developed, depending on the heterocyclic scaffold employed. A remarkable number of examples (88) were demonstrated, and the synthetic utility of the products was displayed by a series of derivatizations.