M. Catellani*, F. Frignani, A. Rangoni (Università Viale delle Scienze, Parma, Italy)

A Complex Catalytic Cycle Leading to a Regioselective Synthesis of o,o′-Disubstituted Vinylarenes


Catellani Reaction: Synthesis of o,o′-Disubstituted Vinylarenes

Significance: Catellani and co-workers reported a highly regioselective multiple functionalization of iodoarenes via a complex palladium-catalyzed cycle.

Comment: The proposed mechanism proceeds through a palladacycle, which is formed from the iodoarene, norbornene, and the palladium catalyst.