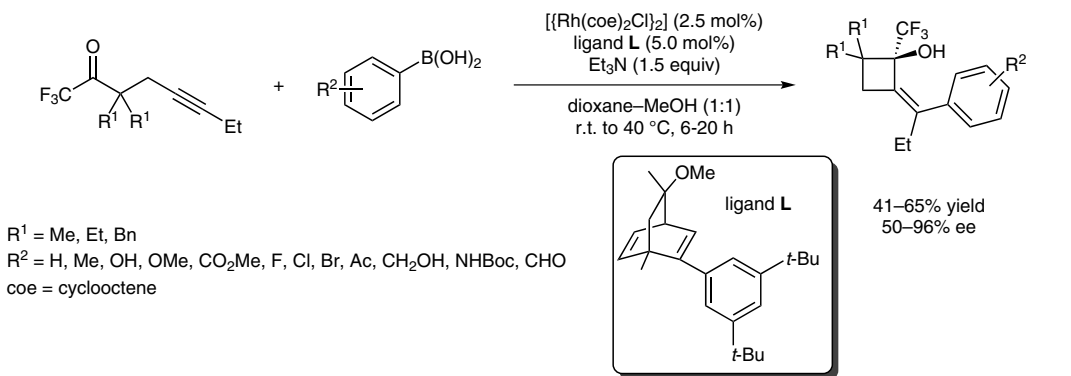
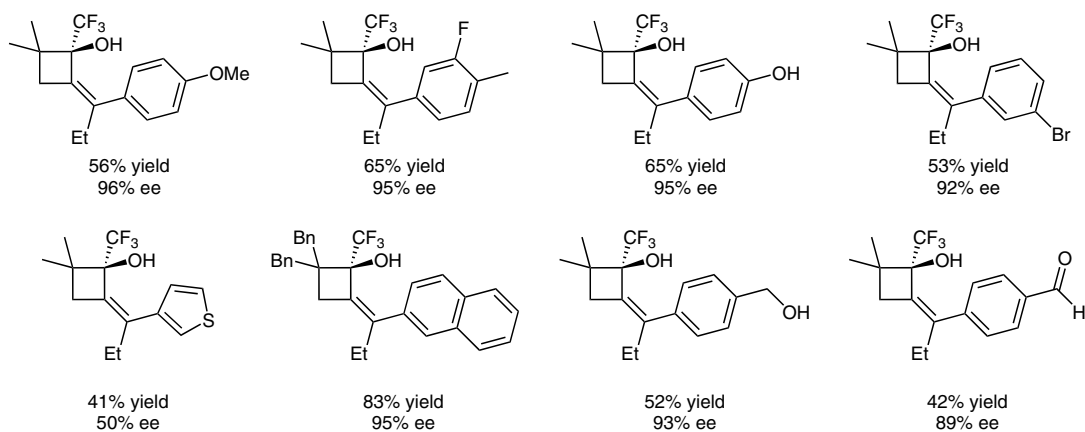


T. JOHNSON, K.-L. CHOO, M. LAUTENS* (UNIVERSITY OF TORONTO, CANADA)
Rhodium-Catalyzed Arylative Cyclization for the Enantioselective Synthesis of (Trifluoromethyl)cyclobutanols
Chem. Eur. J. **2014**, *20*, 14194–14197.

Cyclization of 1-(Trifluoromethyl)-4-alkyn-1-ones with Arylboronic Acids



Selected examples:



Significance: Lautens and co-workers report a rhodium-catalyzed cyclization of 1-(trifluoromethyl)-4-alkyn-1-ones with variously substituted arylboronic acids to obtain (trifluoromethyl)cyclobutanols bearing an exocyclic double bond.

Comment: The reactivity of the newly formed exocyclic double bond was explored by subjecting a (trifluoromethyl)cyclobutanol to an epoxidation reaction using MCPBA and an ozonolysis.