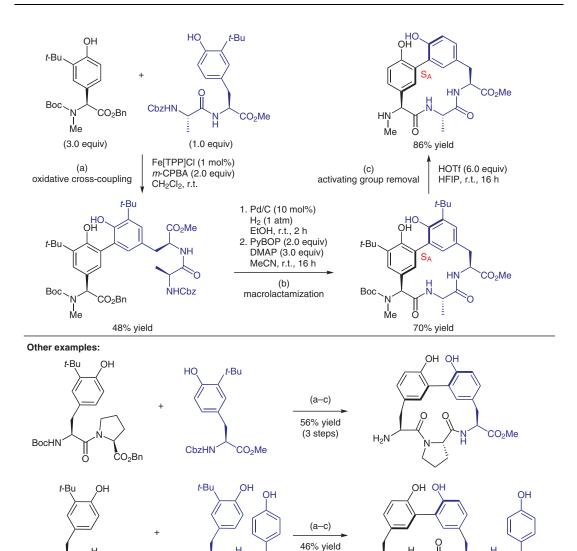
M. BEN-LULU, E. GASTER, A. LIBMAN, D. PAPPO* (BEN-GURION UNIVERSITY OF THE NEGEV, BEER SHEVA, ISRAEL)

Synthesis of Biaryl-Bridged Cyclic Peptides via Catalytic Oxidative Cross-Coupling Reactions *Angew. Chem. Int. Ed.* **2020**, DOI: 10.1002/anie.201913305.

Cyclic Peptides Synthesis with the Assistance of a Removable Activating Group



(3 steps)

ĊO₂Me

Significance: Biaryl-bridged cyclic peptides are becoming more and more important due to their biological activity. The authors have developed an efficient strategy to synthesize these peptides by introducing a removable activating group to increase reactivity in the oxidative cross-coupling step that forms the biaryl unit.

CO₂Bn

s-Bu

BocHN

CbzHN

Comment: Although the authors have prepared some natural and nonnatural biaryl-bridged cyclic peptides in moderate total yields, this approach with a remarkable activating group (*t*-Bu) might have more synthetic uses.

s-Bu

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Peptide Chemistry

Key words

oxidative crosscoupling

cyclic peptides

biaryl-bridged peptides

activating group

