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Synthesis of Biaryl-Bridged Cyclic Peptides via Catalytic Oxidative Cross-Coupling Reactions
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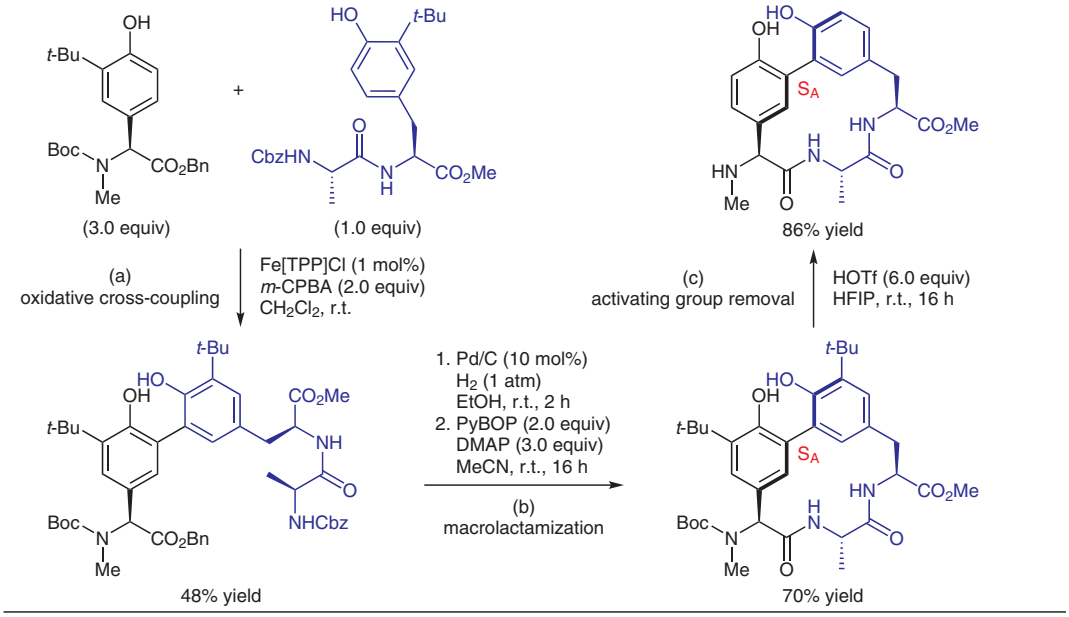
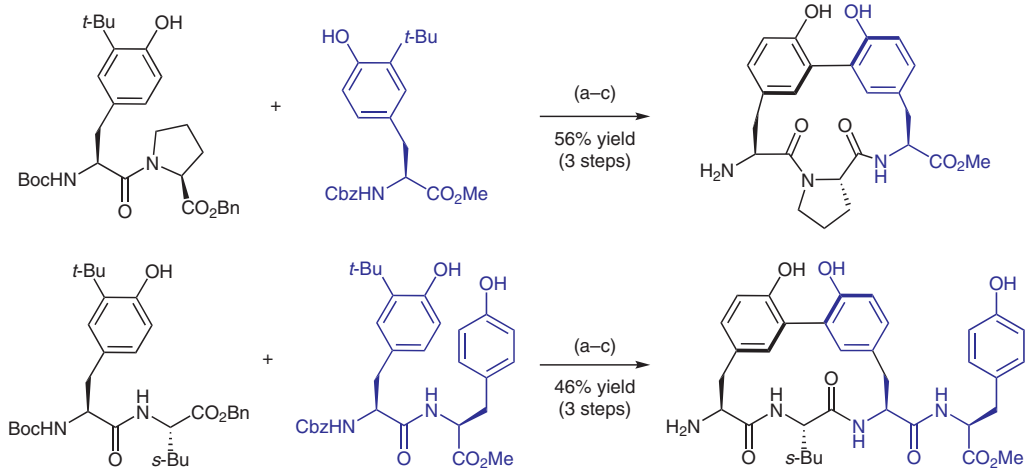
Cyclic Peptides Synthesis with the Assistance of a Removable Activating Group



Other examples:



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.

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.

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Category
Peptide Chemistry

Key words
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cyclic peptides
biaryl-bridged peptides
activating group

Synfact of the Month