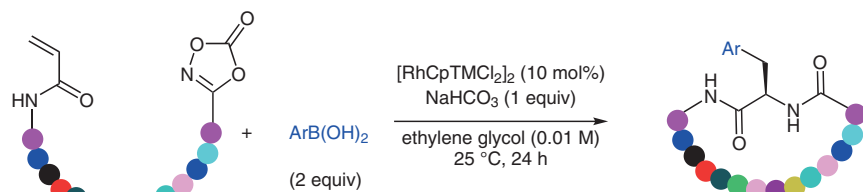


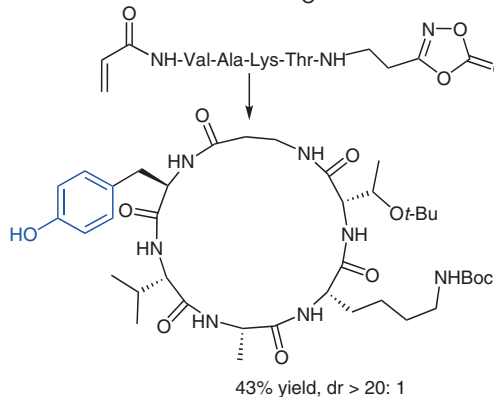
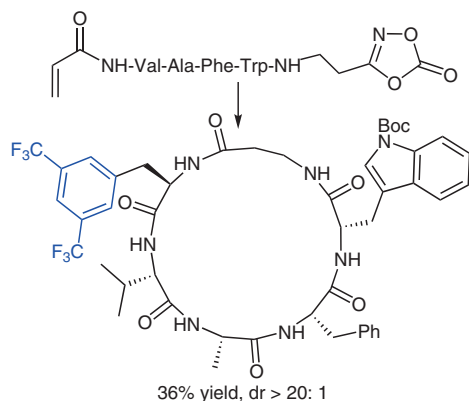
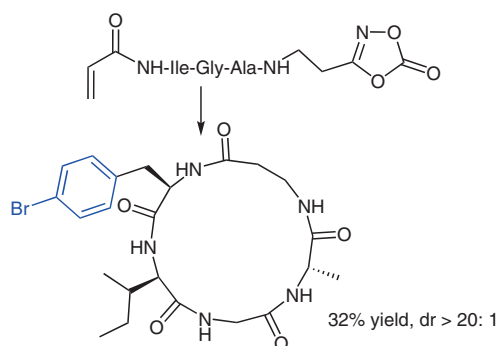
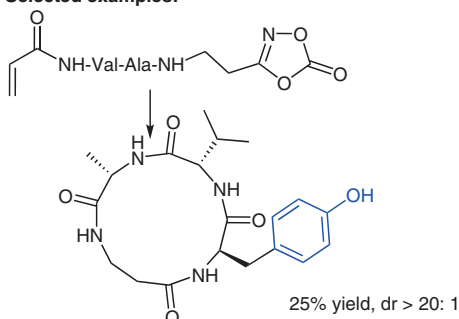
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Crafting Unnatural Peptide Macrocycles via Rh(III)-Catalyzed Carboamidation
J. Am. Chem. Soc. **2024**, *146*, 20868–20877, DOI: 10.1021/jacs.4c05248.

Rhodium-Catalyzed Macrocyclization of Peptides



Selected examples:



Significance: Macrocyclic peptides gained tremendous attention in peptide drug discovery. In this study, the authors developed the Rh(III)-catalyzed macrocyclization of suitably substituted acryloyl-peptide-dioxazolone precursors with arylboronic acids to form macrocyclic peptides.

Comment: A series of macrocyclic peptides were synthesized by Rh-catalyzed carboamidation ligation strategy of suitably substituted acryloyl-peptide-dioxazolone precursors with arylboronic acids. This protocol is useful for the synthesis of macrocyclic peptides having unnatural amino acids.