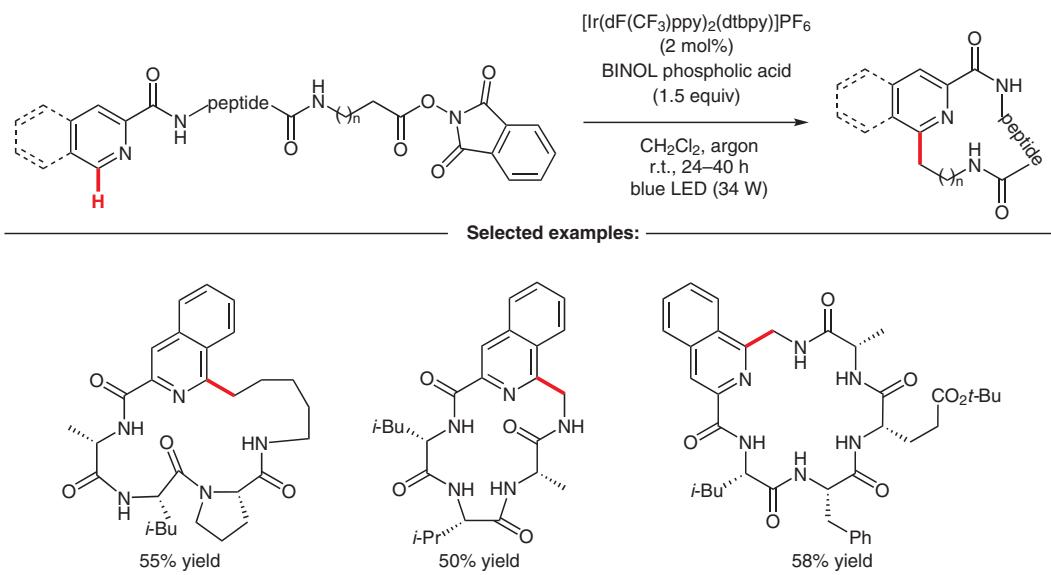
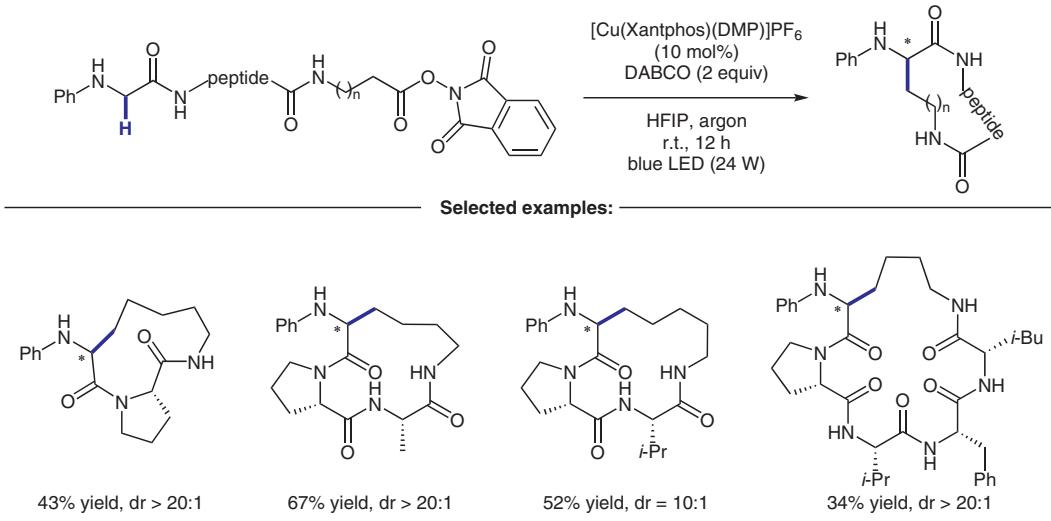


Catalytic Intramolecular C–H Alkylation for the Synthesis of Peptide Macrocycles

Category
Peptide Chemistry
Key words
photocatalysis
copper catalysis
iridium catalysis
peptide macrocycles
C–H alkylation
macrocyclization



Significance: Peptide macrocycles provide an important platform for drug discovery. The authors have developed intramolecular C–H alkylations under blue LED irradiation for the macrocyclization of peptides.

Comment: Copper- or iridium-catalyzed intramolecular C–H alkylations were successfully promoted by blue LED irradiation. The desired peptide macrocycles were obtained in moderate yields.