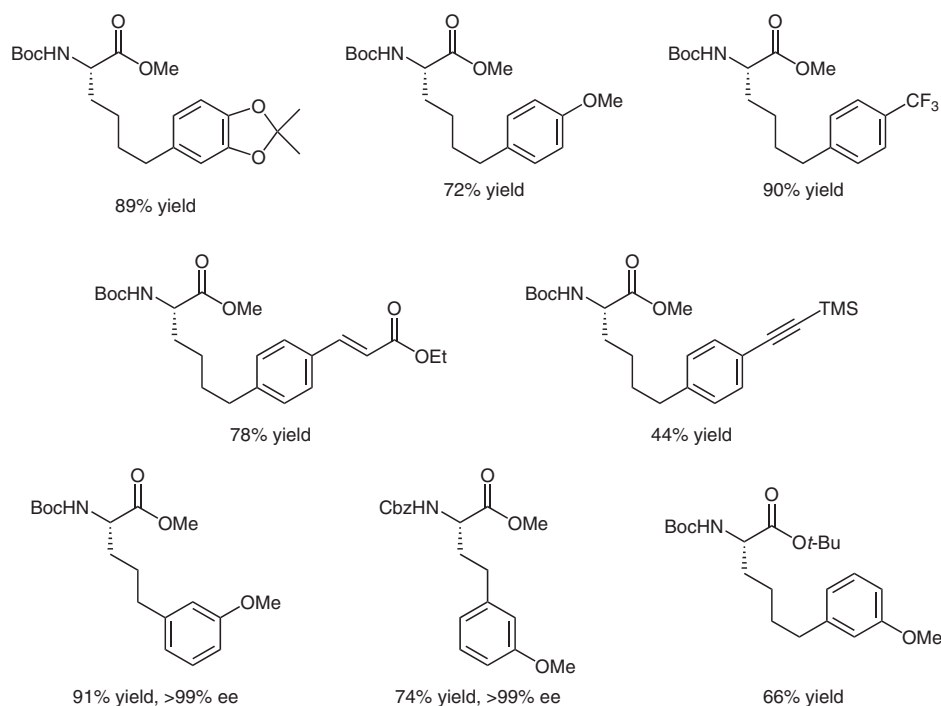
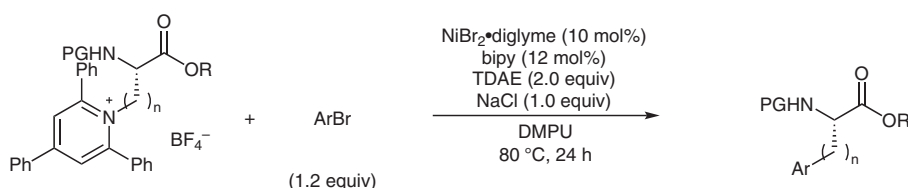


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Diversifying Amino Acids and Peptides via Deaminative Reductive Cross-Couplings Leveraging High-Throughput Experimentation

*J. Am. Chem. Soc.* **2023**, *145*, 5684–5695, DOI: 10.1021/jacs.2c11451.

## Synthesis of Unnatural Peptides by Deaminative Reductive Cross-Coupling Reactions



**Significance:** Modification of peptides on the side chain of amino acid residues is very important in drug discovery and medicinal chemistry. The authors reported a deaminative reductive cross-coupling strategy to arylate the amino acid residues.

**Comment:** Various unnatural peptides are synthesized in moderate to good yields. The arylation of their side chains resulted efficiently from pre-formed amino acid pyridinium salts by using a nickel(II) catalyst.

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Synfacts 2023, 19(06), 0629 Published online: 11.05.2023  
DOI: 10.1055/s-0042-1752676; Reg-No.: H04723SF

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Category

Peptide Chemistry

Key words

nickel catalysis

deamination

cross-coupling

unnatural peptides

amino acid  
pyridinium salts

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