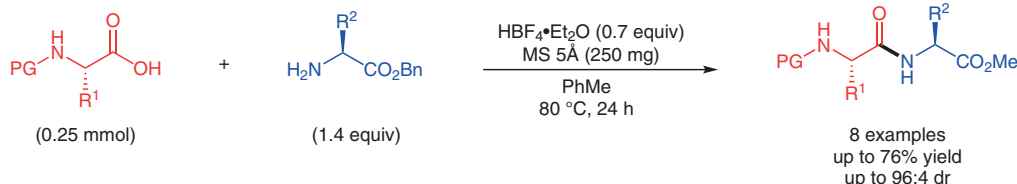


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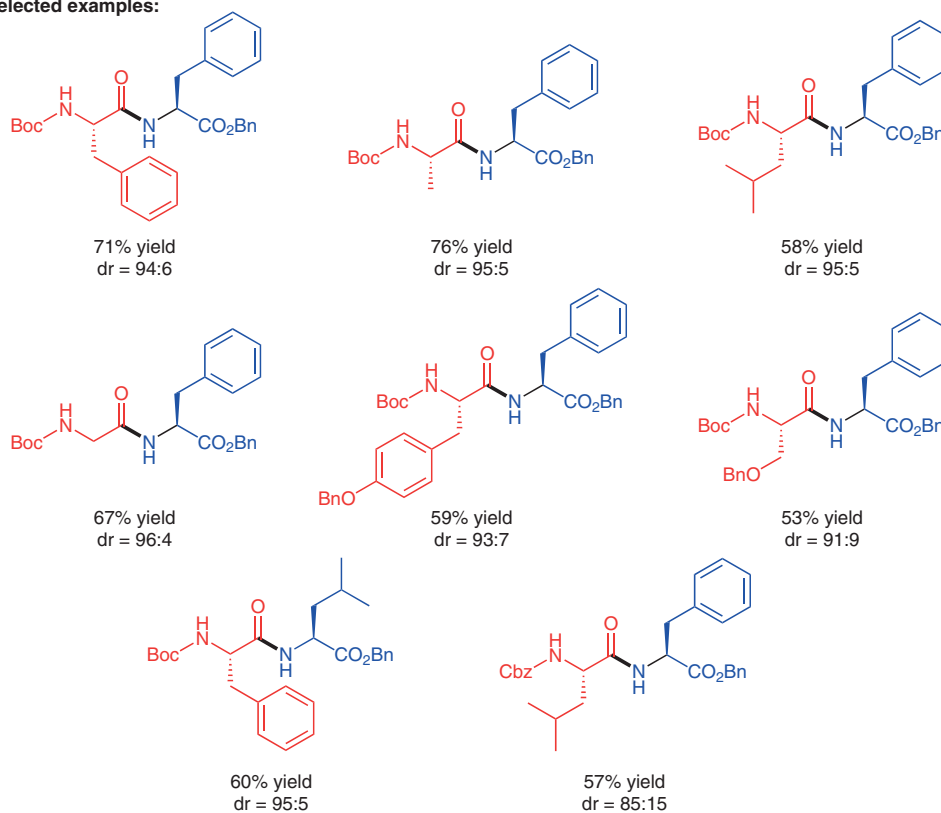
Dehydrative Condensation of Carboxylic Acids with Amines Promoted by $\text{HBF}_4/\text{MS } 5\text{\AA}$

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Dehydrative Peptide Coupling Promoted by $\text{HBF}_4/\text{MS } 5\text{\AA}$



Selected examples:



Significance: Dehydrative coupling reactions between carboxylic acids and amines are commonly used in peptide synthesis. The authors have developed a dehydrative peptide coupling using $\text{HBF}_4/\text{molecular sieve } 5\text{\AA}$ (MS 5Å).

Comment: This method produced various amides and dipeptides in good to high yields. In addition, MS 5Å could be recovered after the reaction, which further promoted the dehydrative condensation without HBF_4 .

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