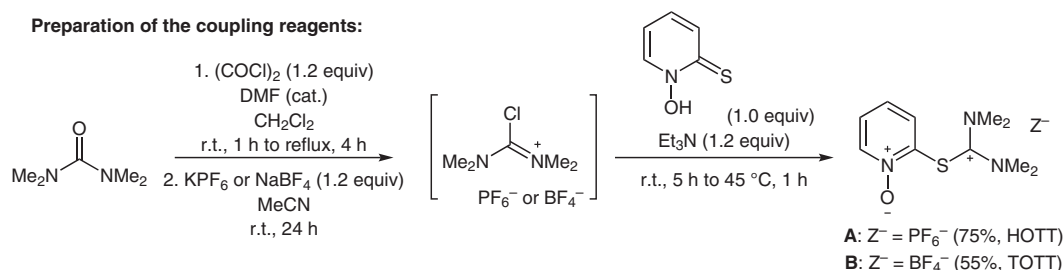
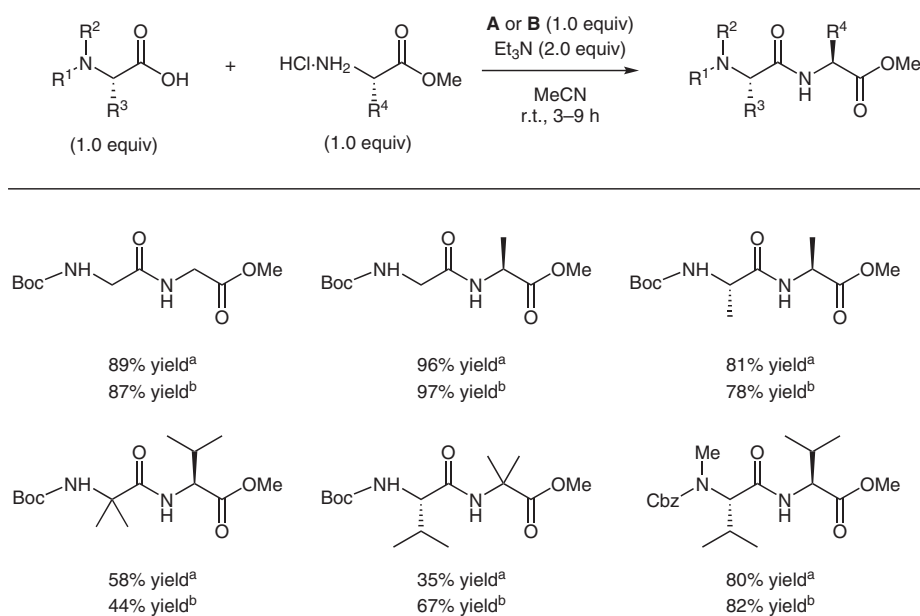


Thiopyridone-Derived Reagents for Peptide Coupling Reactions

Preparation of the coupling reagents:



Selected examples for peptide coupling reactions:



^aUsing **A** as the coupling reagent. ^bUsing **B** as the coupling reagent.

Significance: Peptide coupling reagents are extremely important in peptide synthesis. In 1999, Nájera and co-workers reported a method for synthesizing thiopyridone-derived uronium salts as coupling reagents. The reagents were prepared from cheap starting materials, making them more economical than conventional coupling reagents such as HOBt.

Comment: By using the thiopyridone-derived reagents as coupling reagents, various dipeptides were synthesized in moderate to excellent yields.