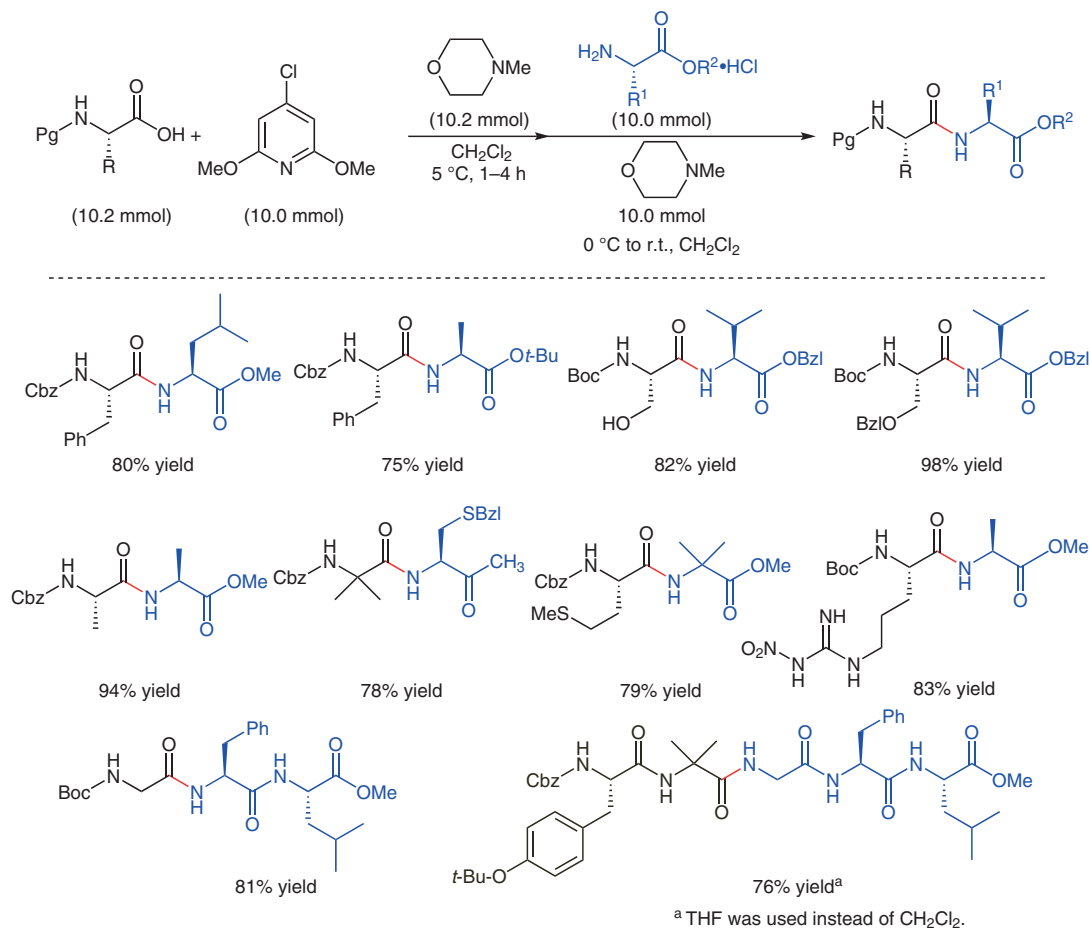


CDMT-Mediated Peptide Synthesis



Significance: The development of efficient, racemization-free methods for peptide synthesis is highly demanded in the peptide industry. In 1987, Kamiński invented 2-chloro-4,6-dimethoxy-1,3,5-triazine as an efficient coupling reagent for peptide synthesis.

Comment: A series of di-, tri-, and pentapeptides were synthesized by coupling for N-protected amino acids or corresponding peptides with amino acid ester or peptides. This protocol uses mild conditions and proceeds without concomitant racemization.

Category

Peptide Chemistry

Key words

2-chloro-4,6-dimethoxy-1,3,5-triazine

coupling reagents

peptide synthesis

Synfact
Classic