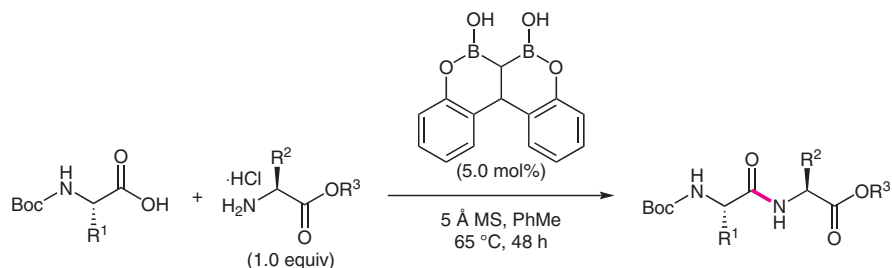
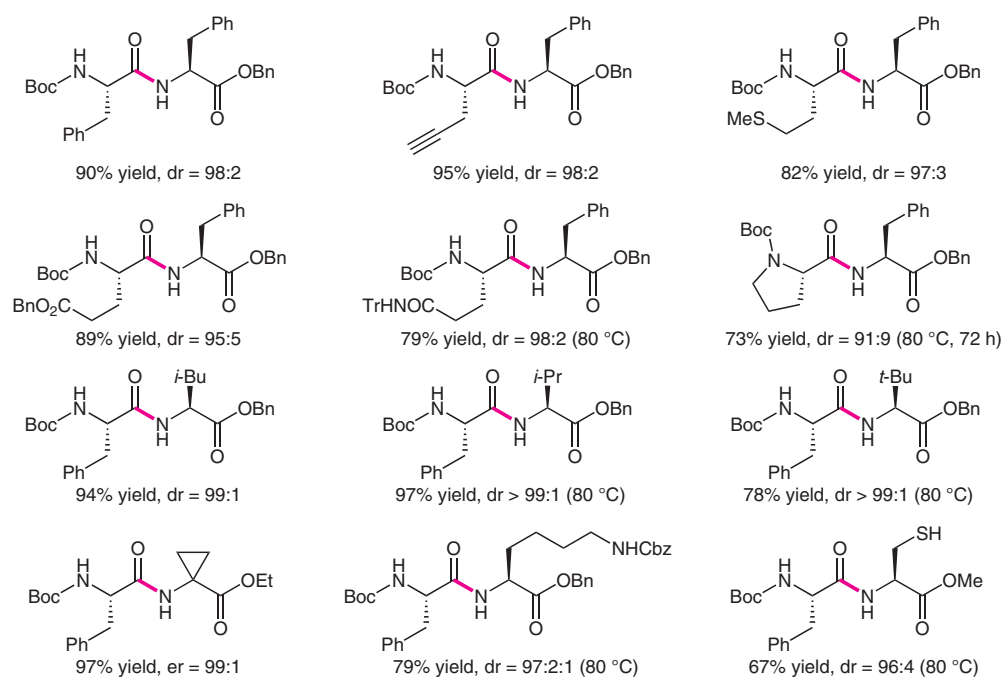


Boronic Acid Catalyzed Dehydrative Peptide Synthesis



Selected examples:



Significance: The amide group is an essential functional group that exists ubiquitously in natural products, pharmaceuticals, and the like. The authors describe a boronic acid catalyzed dehydrative amidation of amino acids.

Comment: This amide bond formation from amino acids catalyzed by a *gem*-diboronic acid proceeds smoothly to give the desired peptides in moderate to high yields without significant loss of stereochemical integrity.