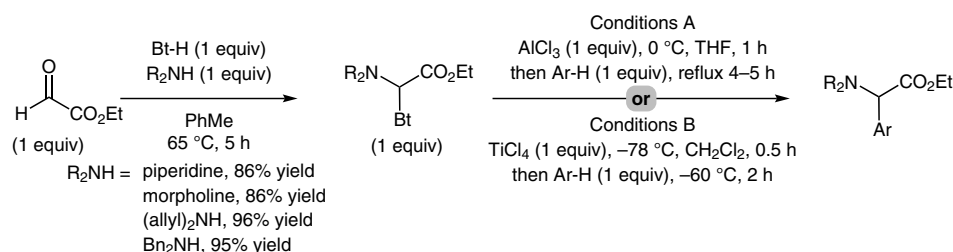
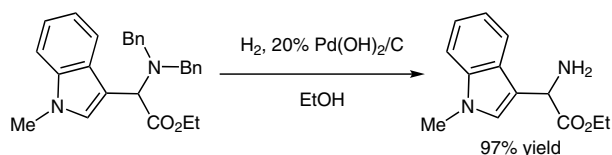
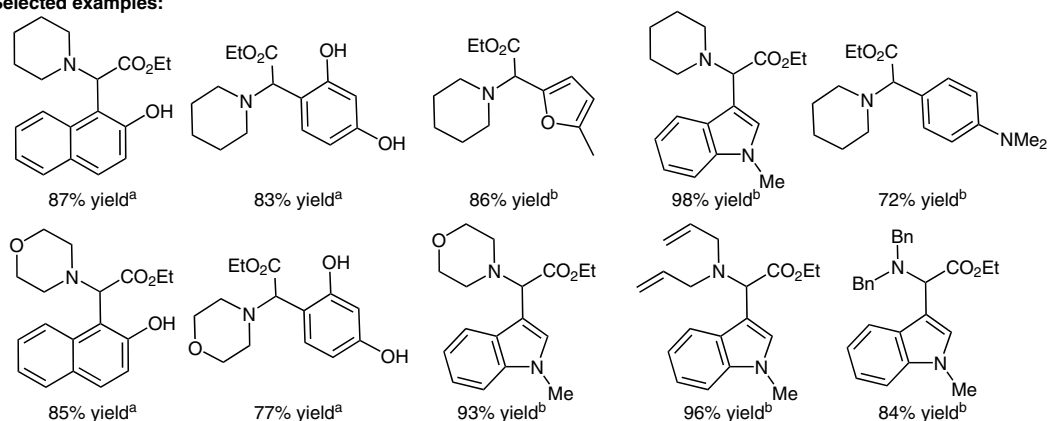


Synthesis of Unnatural Amino Acids from in situ Generated Glycine Cation Equivalents



Selected examples:



Significance: Unnatural amino acids, especially α -aryl- α -amino acids, are ubiquitous building blocks found in many natural products and biologically active compounds. The authors developed an efficient method for the synthesis of unnatural amino acid esters by amino alkylation with in situ generated glycine cation equivalents.

Comment: The aminoalkylation of phenols and aromatic N- and O-heteroaromatics with in situ generated glycine cation equivalents proceeded smoothly and offer various unnatural α -aryl- α -amino acid esters in good yields. This method is practically simple and showcases a broad functional group tolerance.