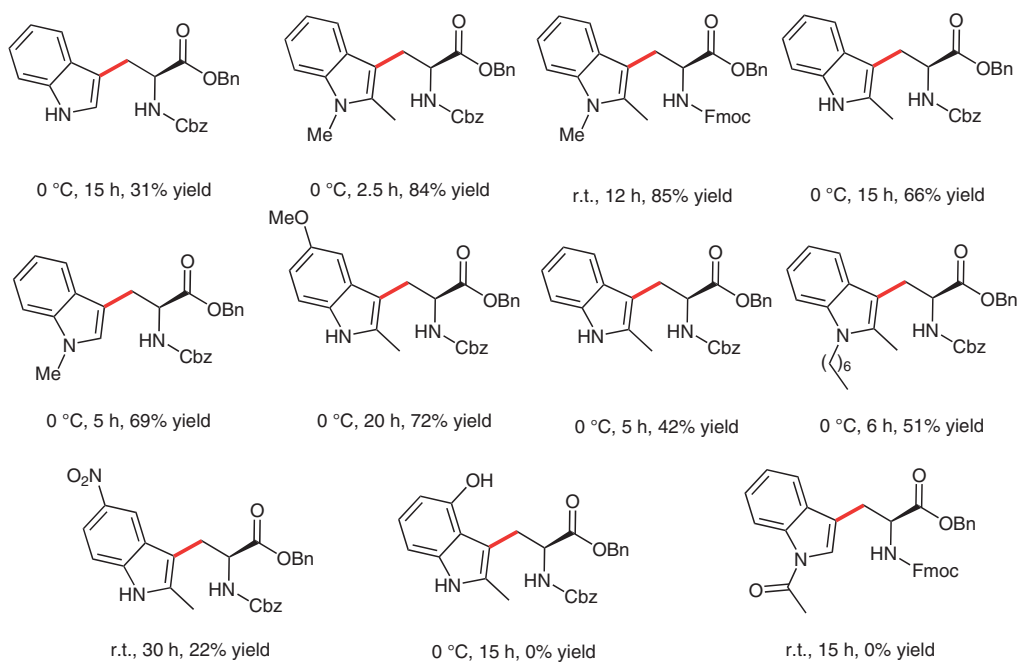
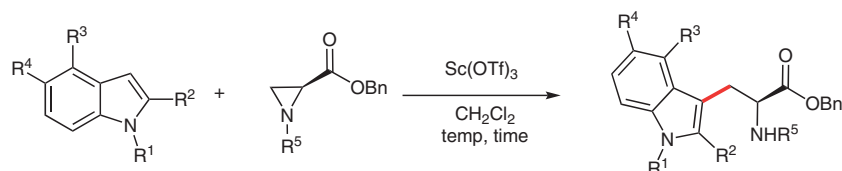


Ring-Opening of Aziridine Carboxylates for the Synthesis of Tryptophan Derivatives



Significance: Tryptophan and unnatural tryptophan derivatives are ubiquitous in many natural products and peptide drug molecules. In 1998, Bennani and co-workers developed a scandium-mediated ring-opening method of aziridine carboxylates for the synthesis of aryl-substituted tryptophan derivatives.

Comment: A series of aryl-substituted tryptophan derivatives were synthesized with a scandium-mediated ring opening of aziridine carboxylates. This method is practically simple and synthesized various aryl-substituted tryptophan derivatives in good yields.