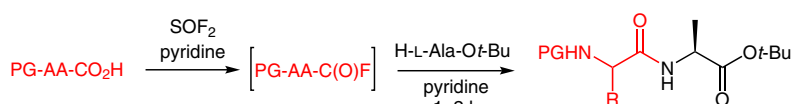
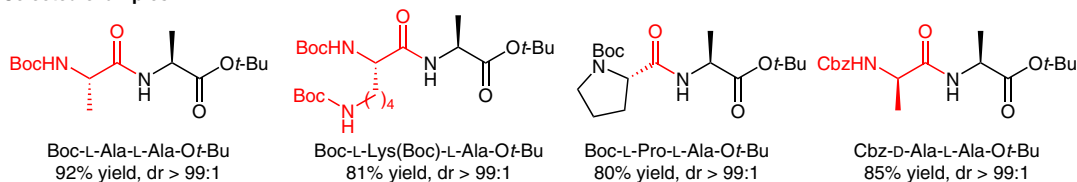


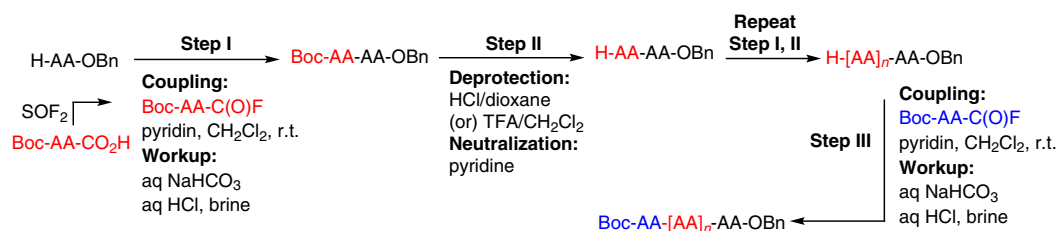
## Thionyl Fluoride-Mediated Peptide Synthesis



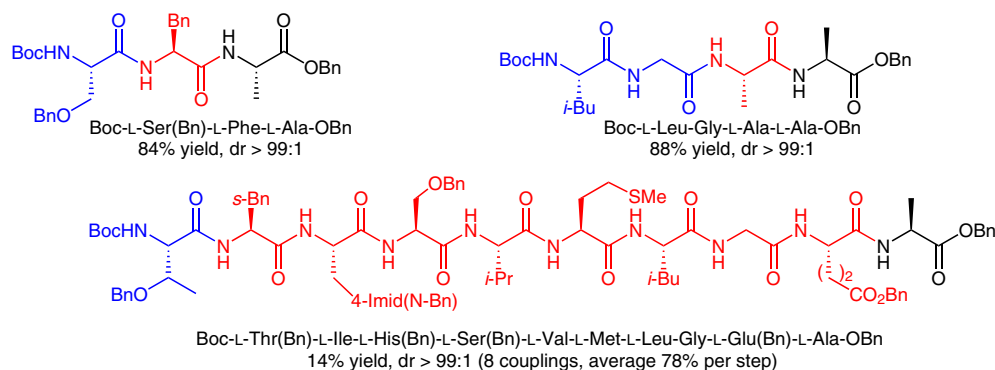
### Selected examples:



### Application of methodology towards liquid phase peptide synthesis:



### Selected examples:



**Significance:** The development of new methods for the synthesis of peptides is highly desirable for the discovery of peptide drugs. The authors have developed a novel method for the generation of SOF<sub>2</sub> *ex situ*, and its use in the activation of amino acids in a peptide-coupling strategy for peptide synthesis.

**Comment:** The peptide-coupling reaction using *ex situ*-generated SOF<sub>2</sub> proceeded smoothly to afford the desired peptides in high yields and with excellent selectivities. Inexpensive and readily available chemicals were used in the synthesis of SOF<sub>2</sub>. The method was also applied in liquid-phase syntheses of tri-, tetra-, and decapeptides.